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OIP 2
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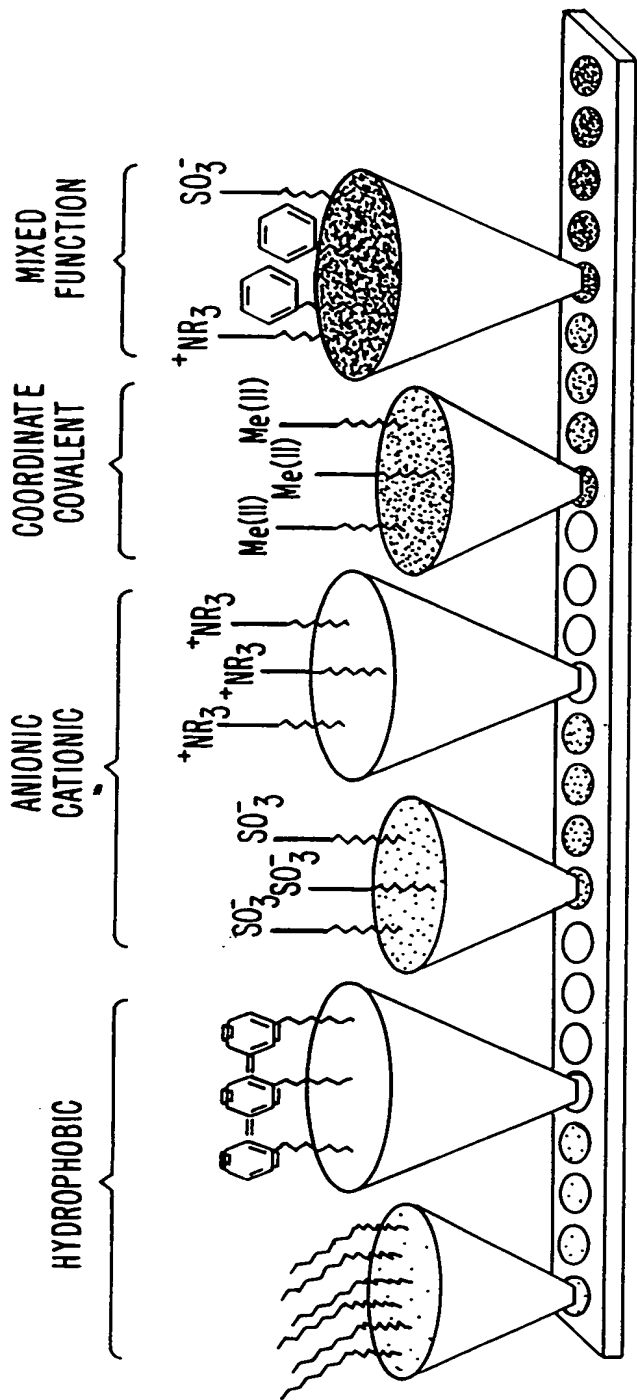


FIG. 1.

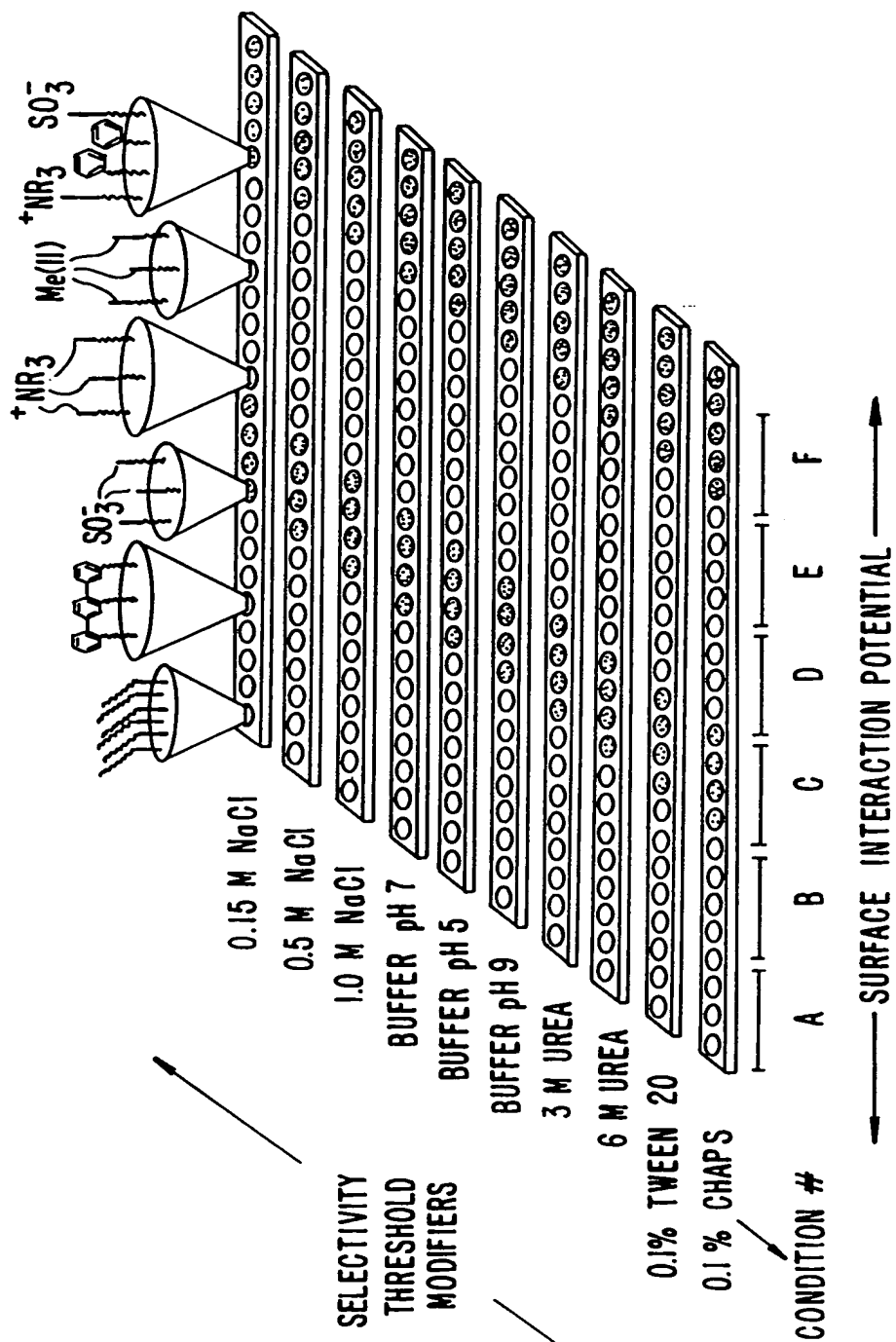


FIG. 2.



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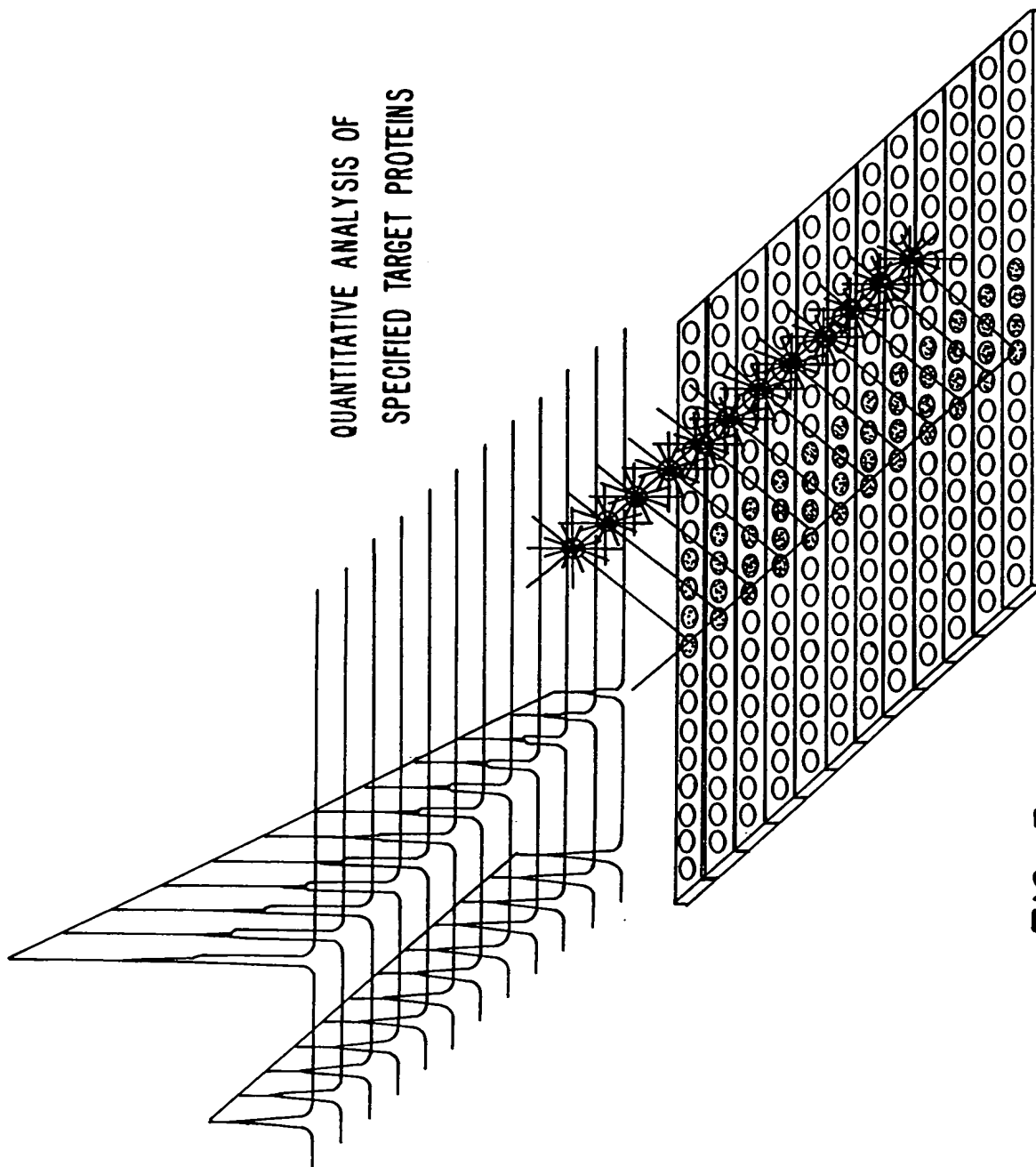


FIG. 3.

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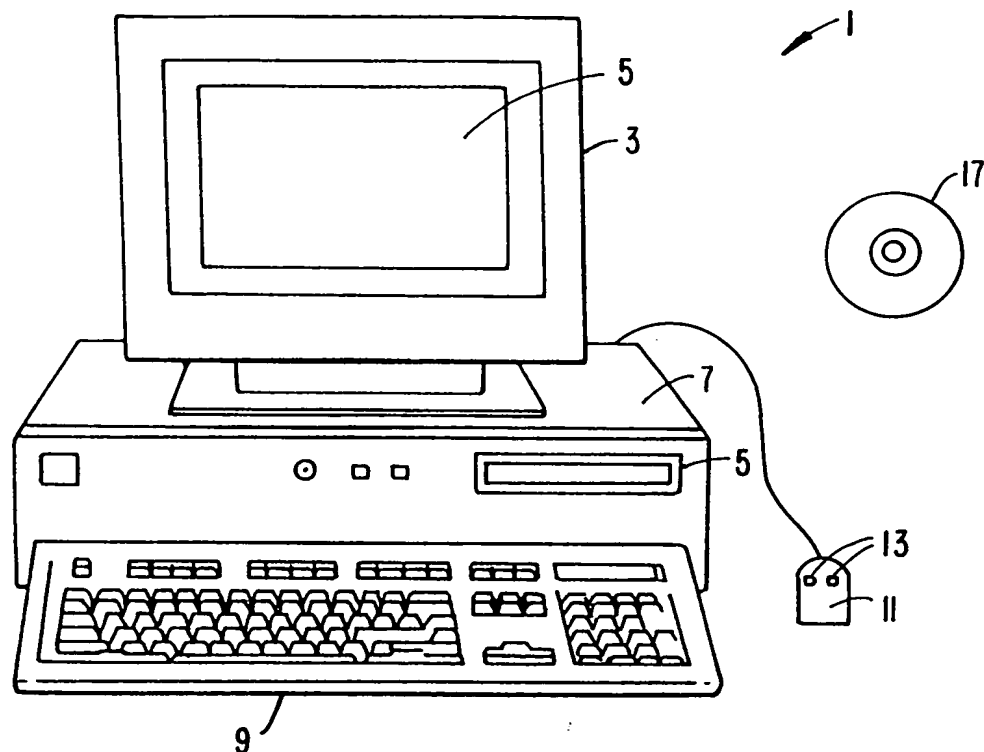


FIG. 4A.

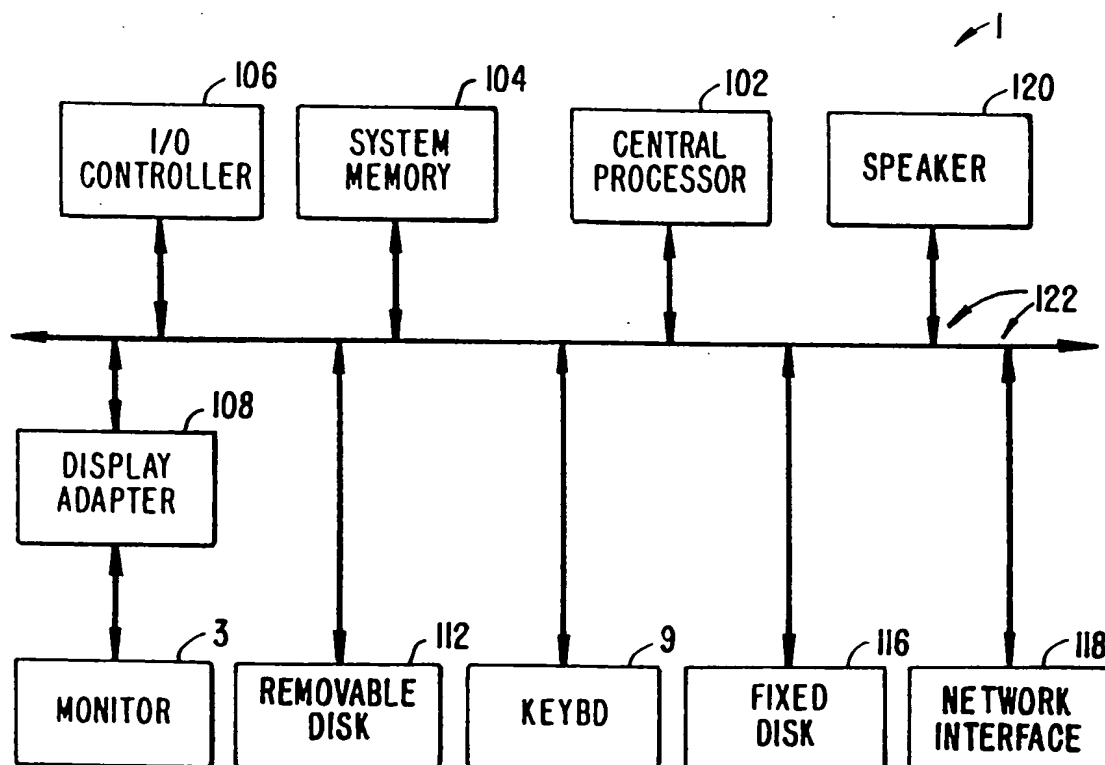


FIG. 4B.

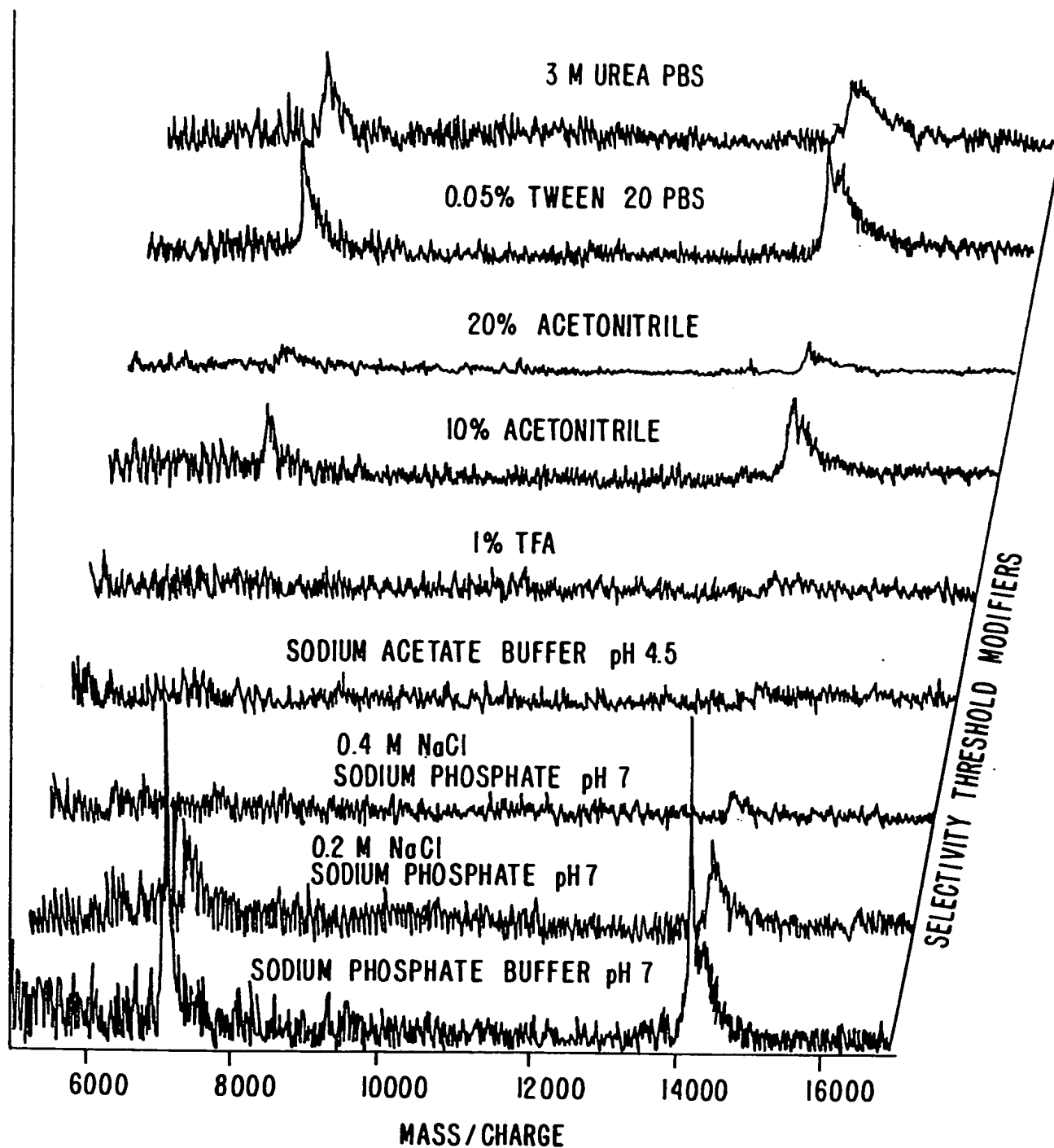


FIG. 5A.

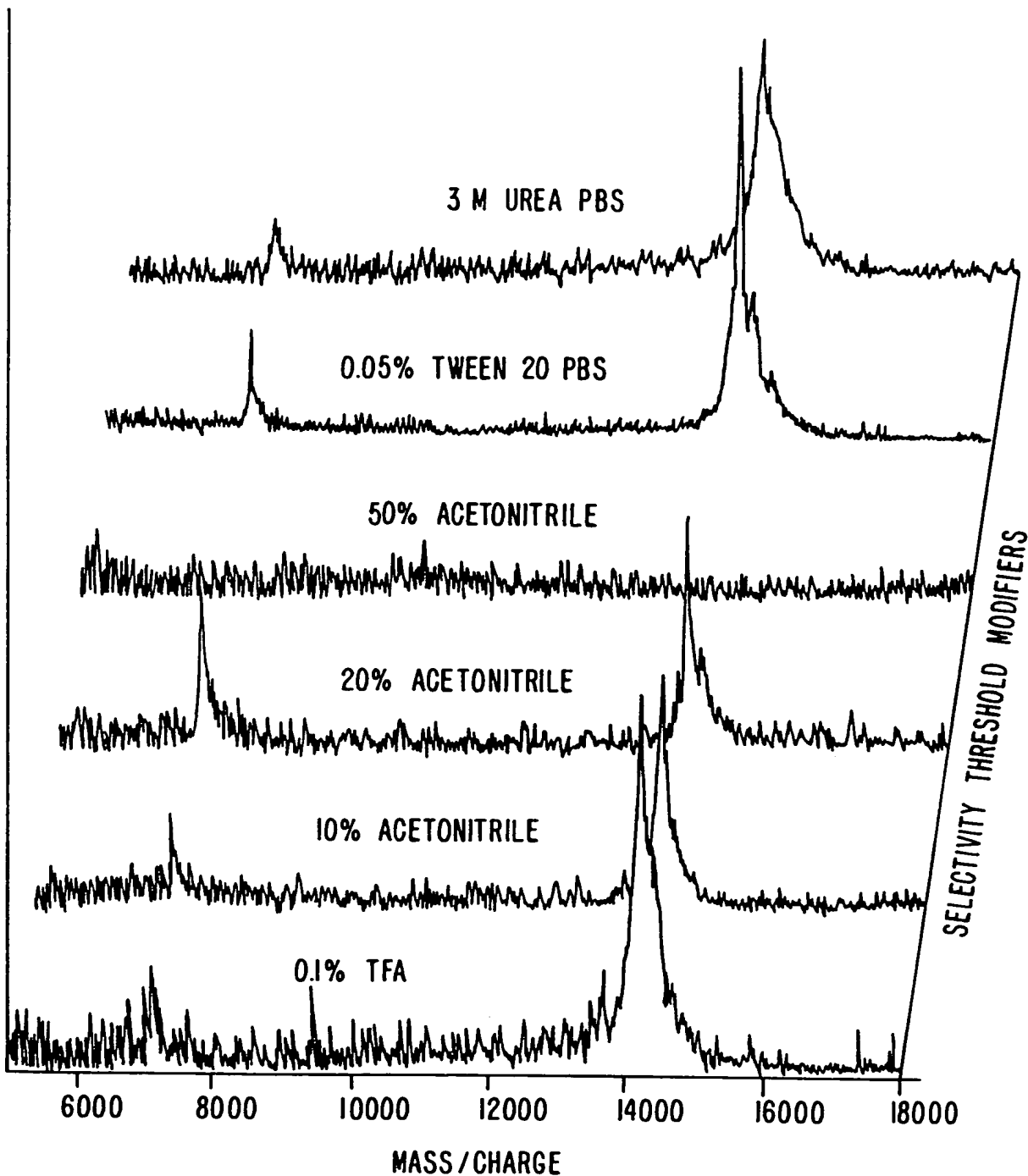
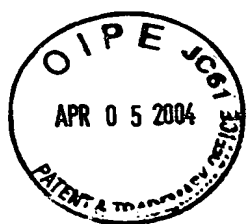


FIG. 5B.

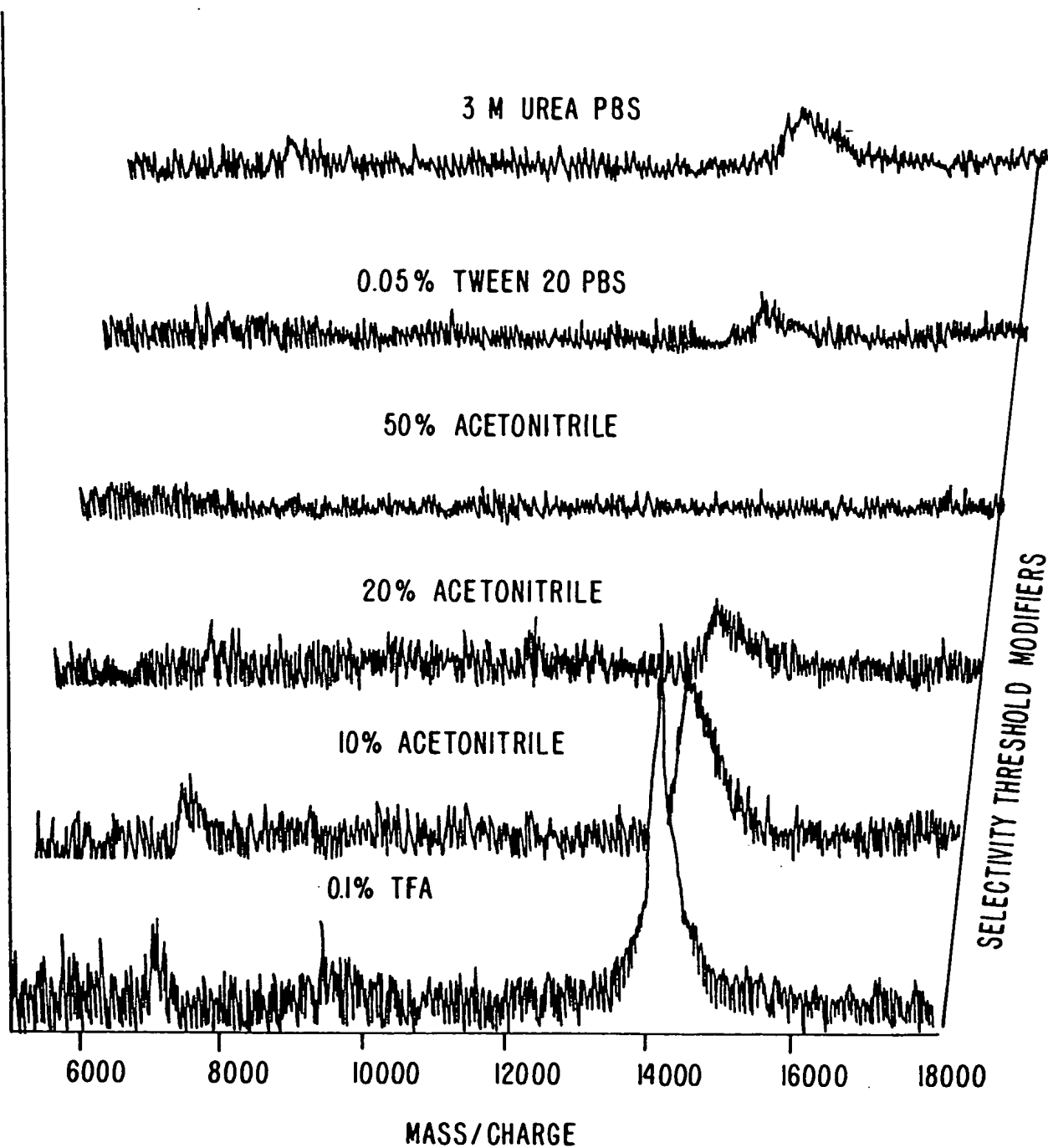


FIG. 5C.

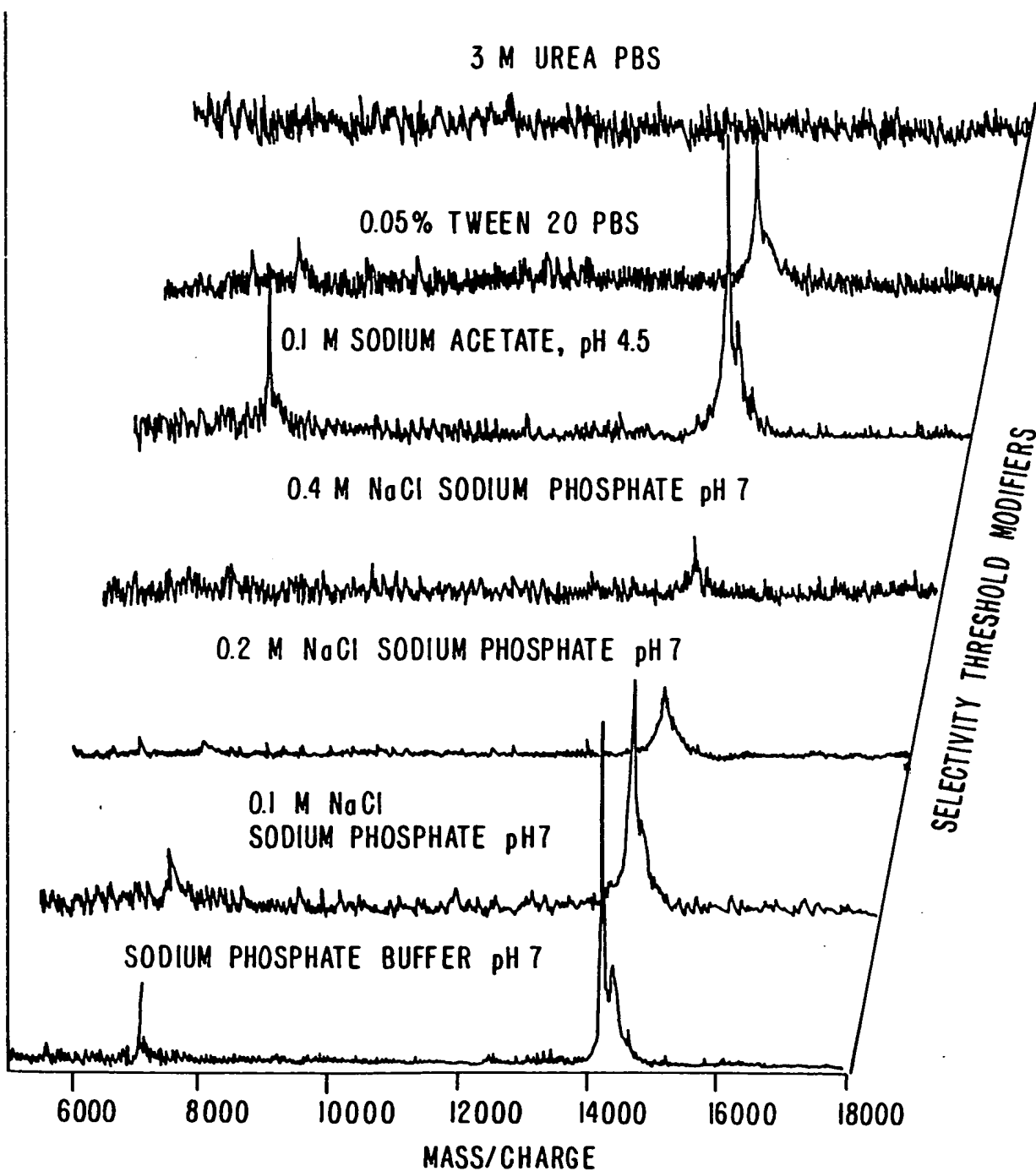


FIG. 5D.

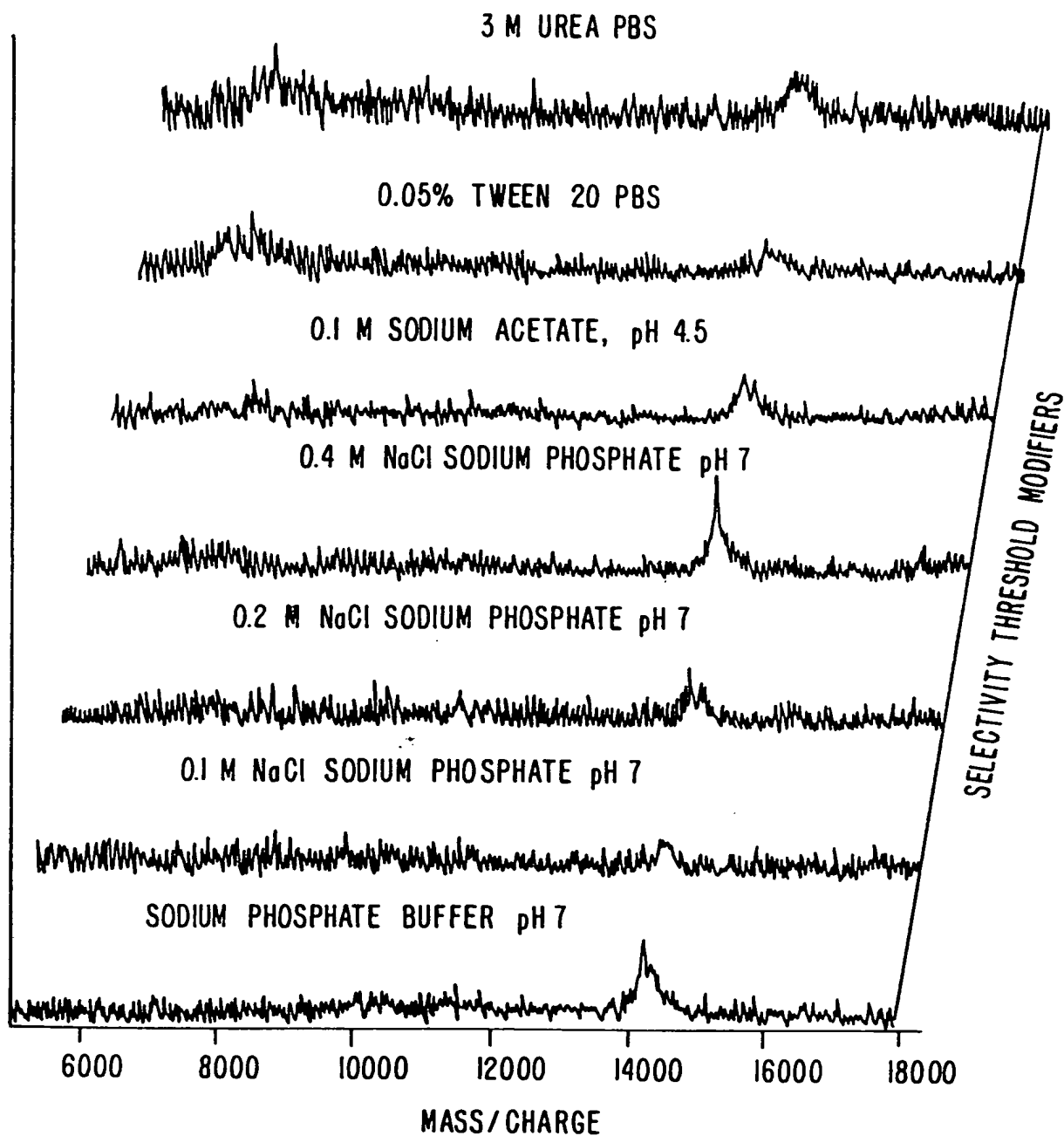


FIG. 5E.

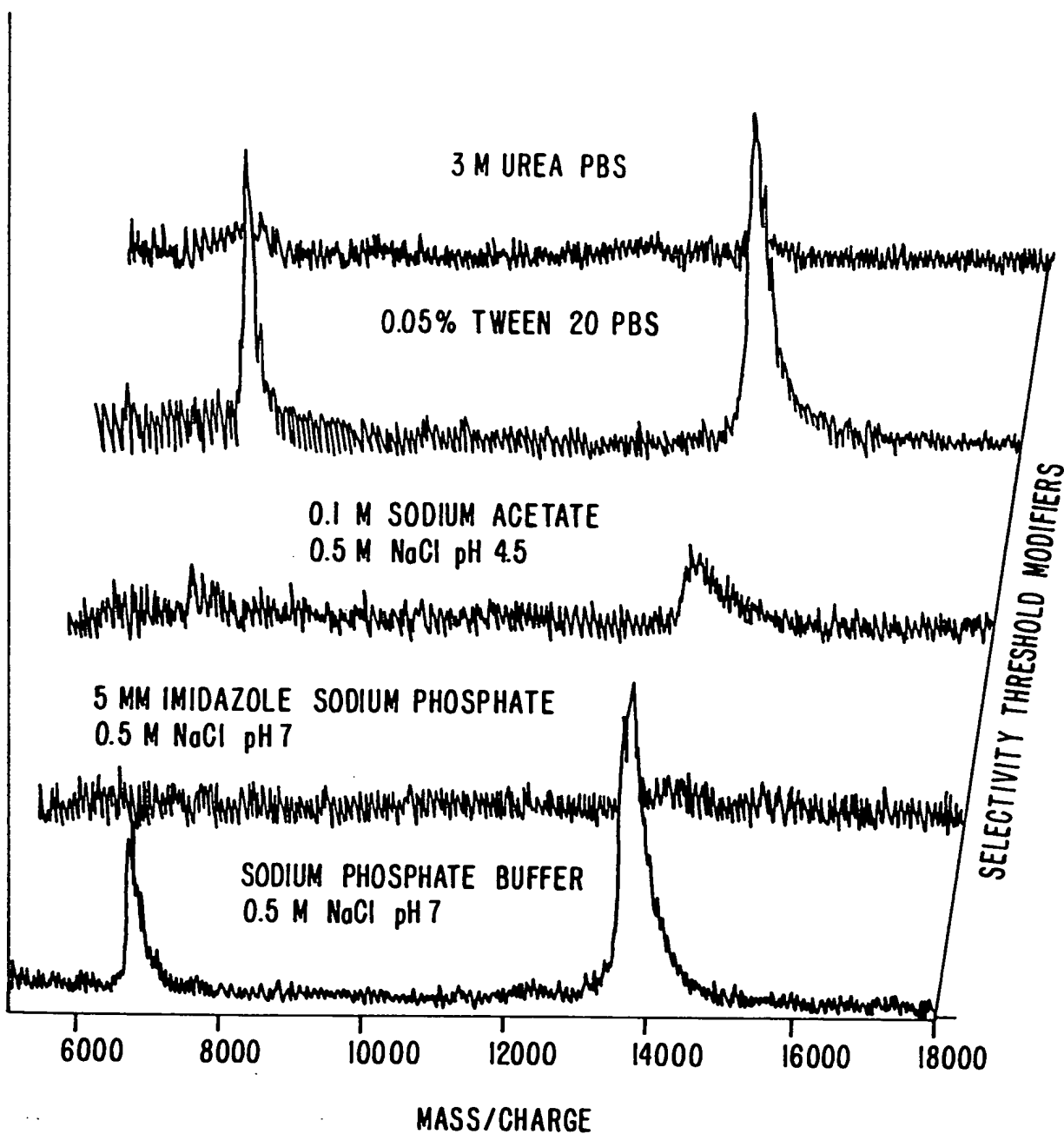


FIG. 5F.

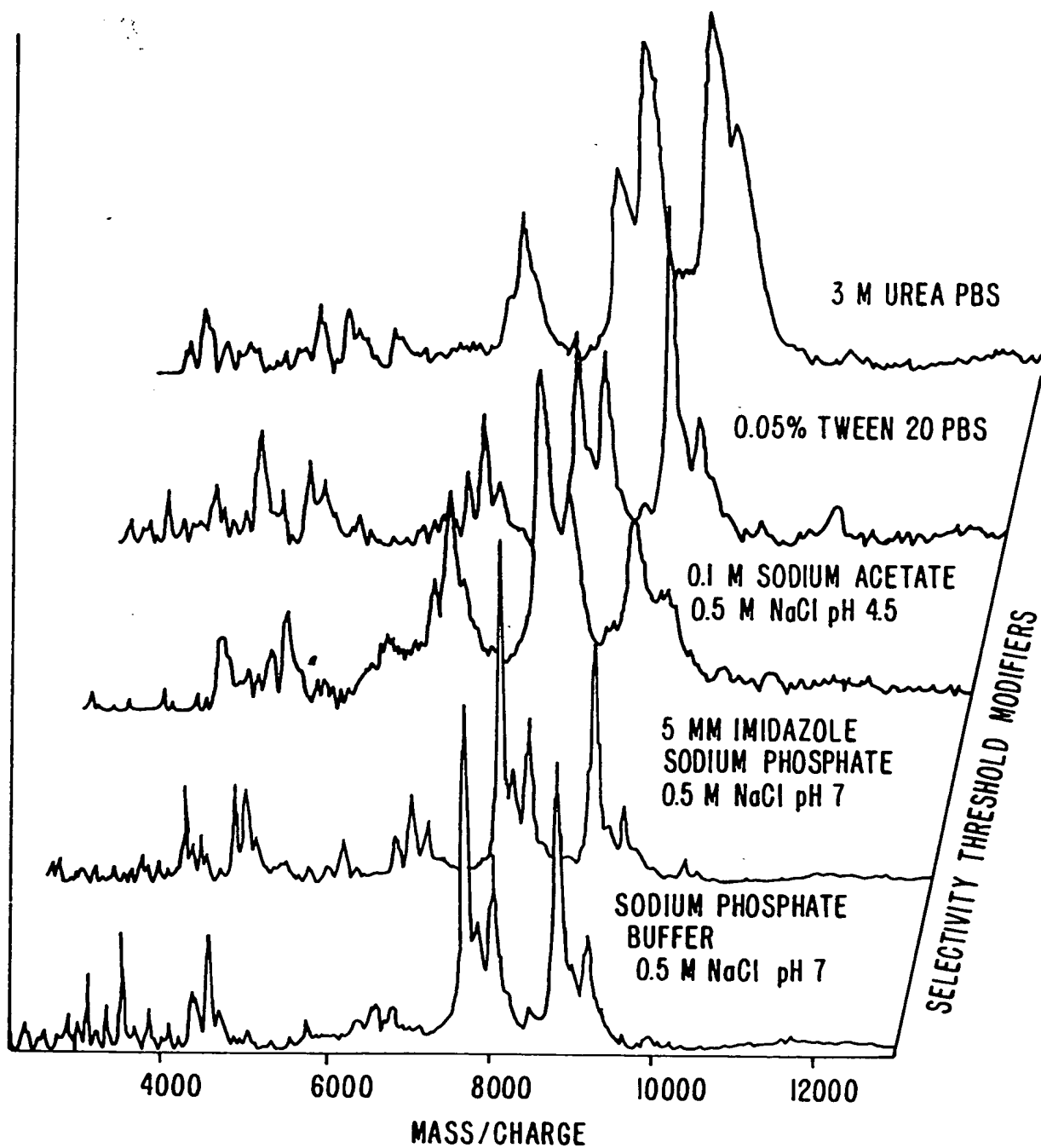


FIG. 6A.

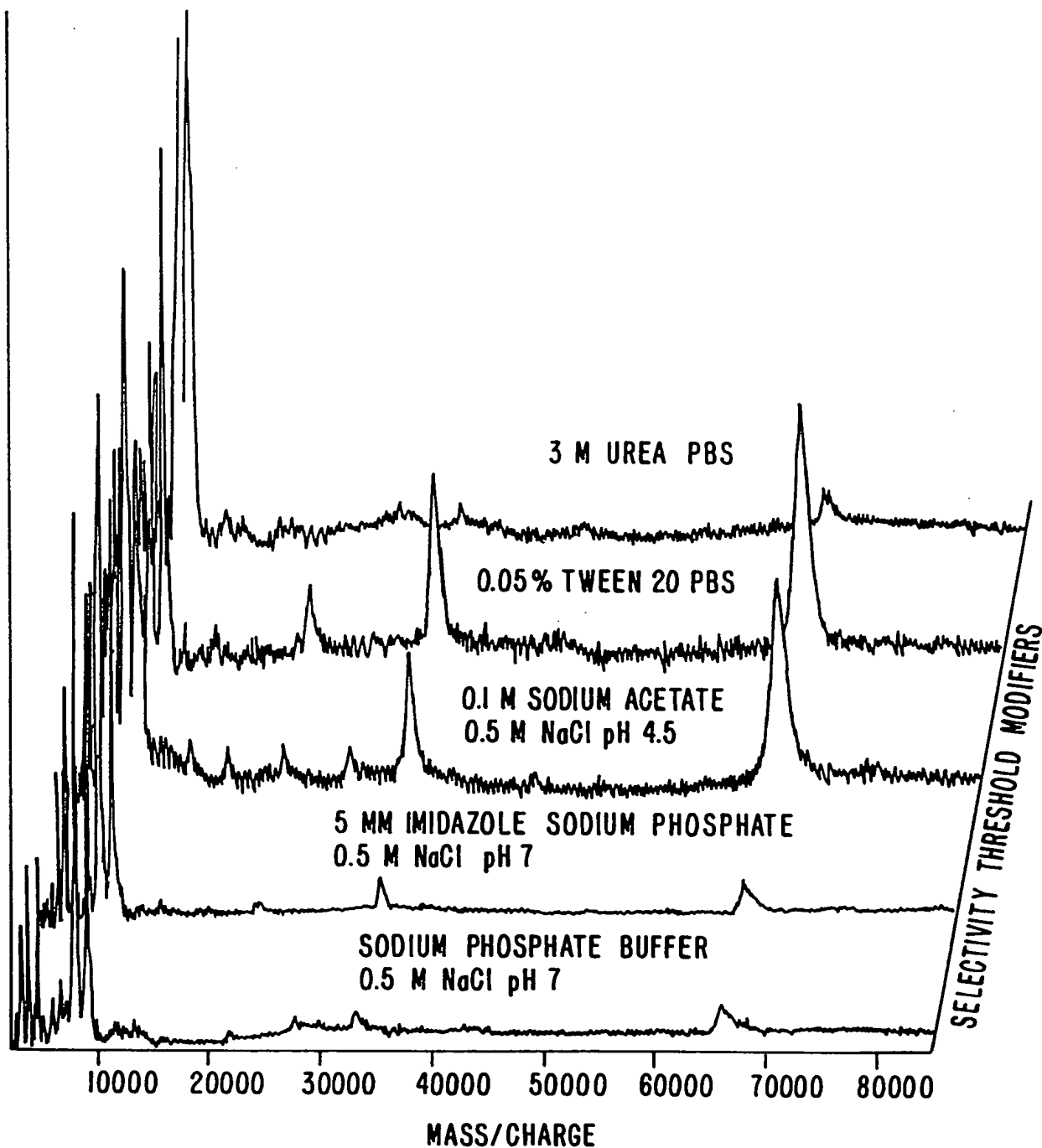


FIG. 6B.

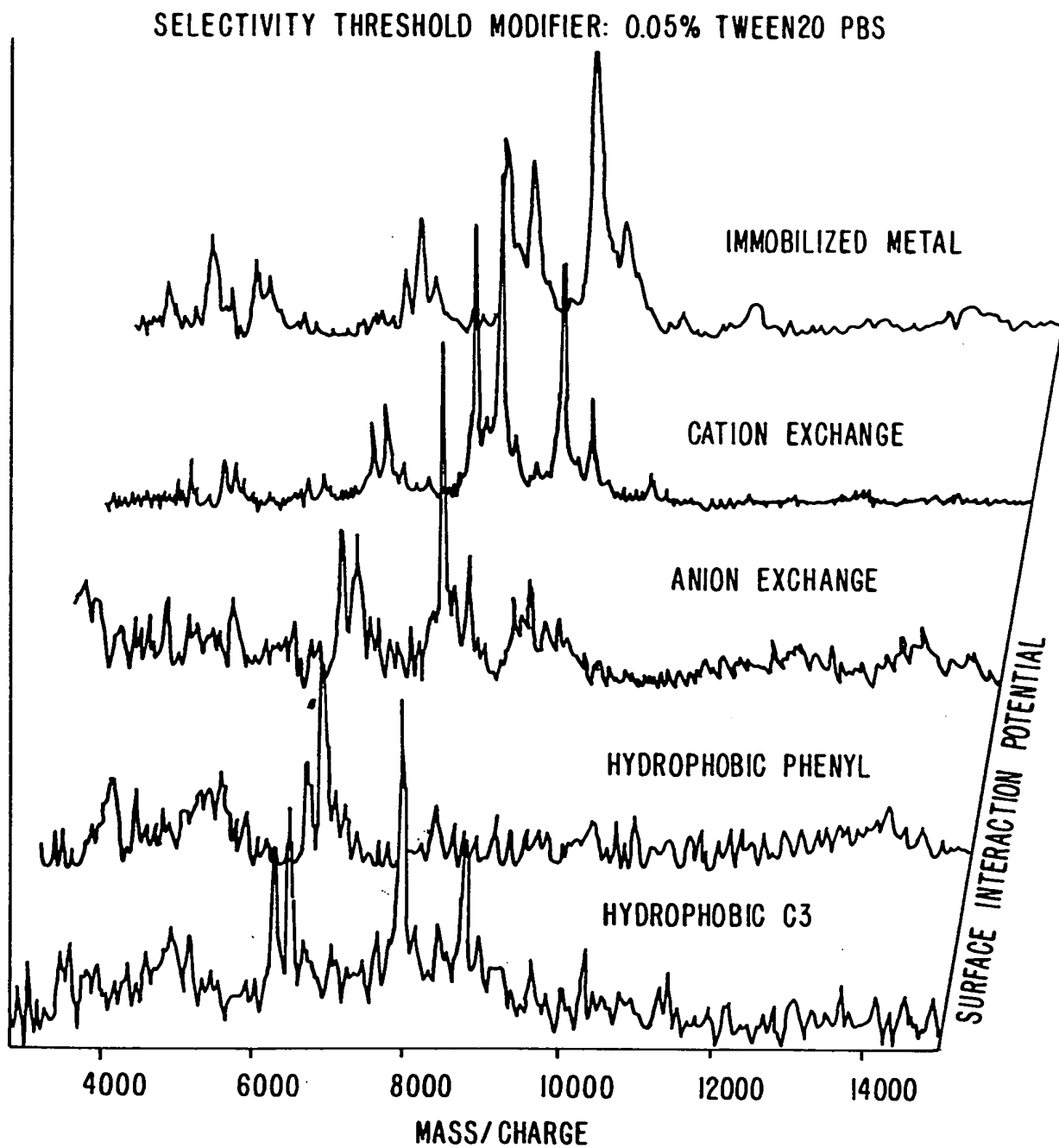


FIG. 7A.

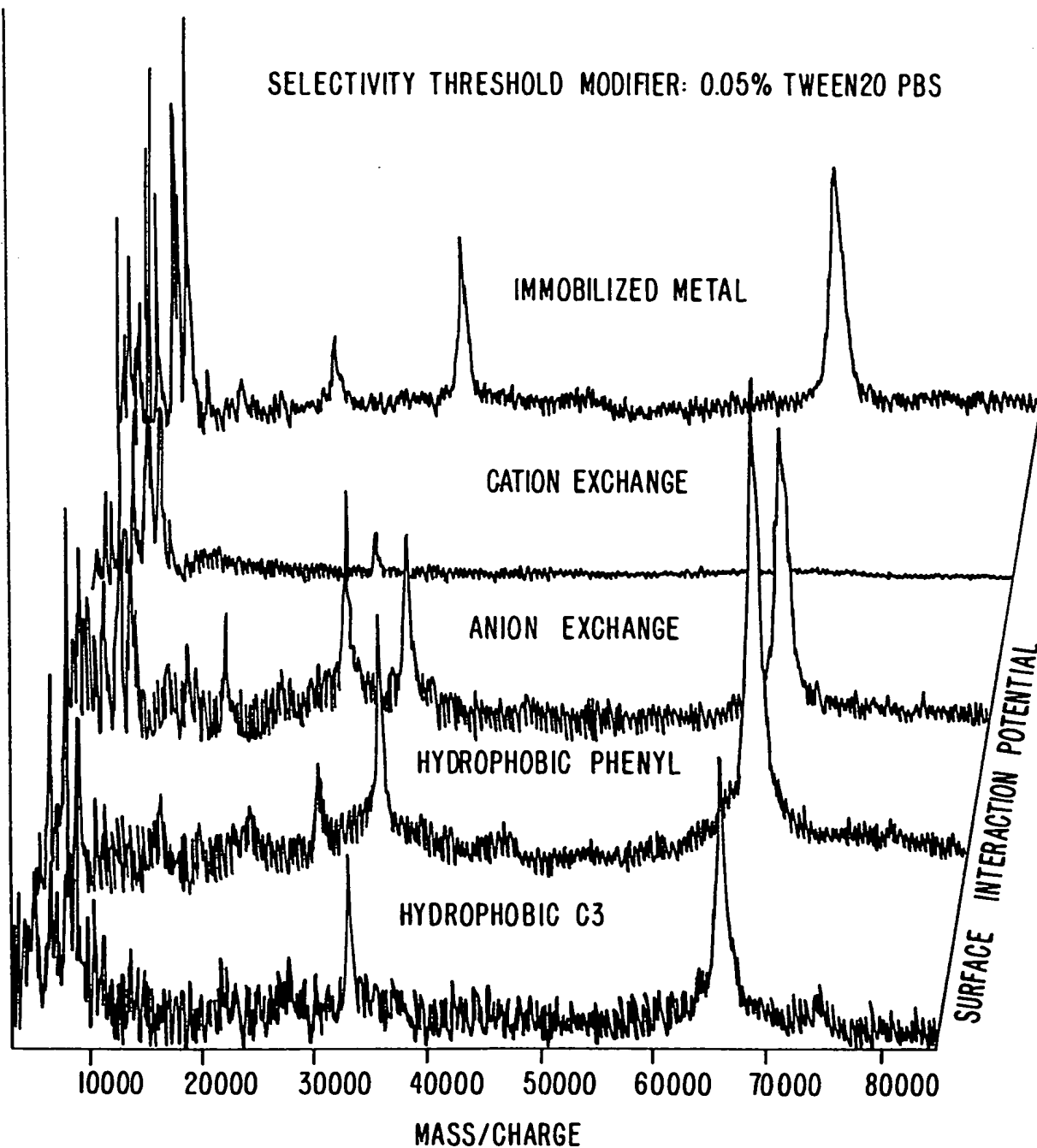


FIG. 7B.

Application No.: 09/100,633
Applicant: T. William Hutchens et al.
Title: RETENTATE CHROMATOGRAPHY AND PROTEIN CHIP ARRAYS
WITH APPLICATIONS IN BIOLOGY AND MEDICINE
Sheet 15 of 44

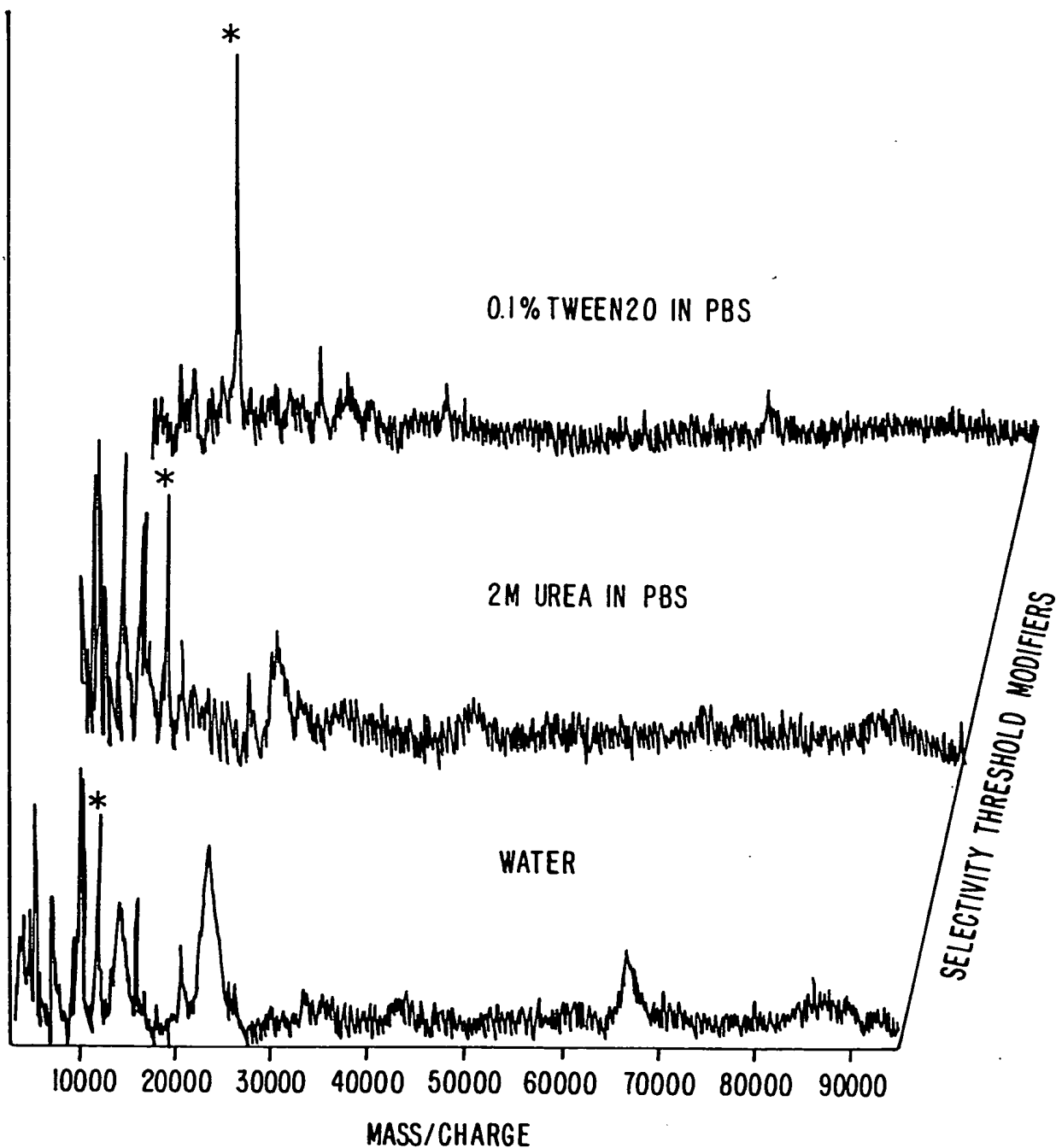


FIG. 9.



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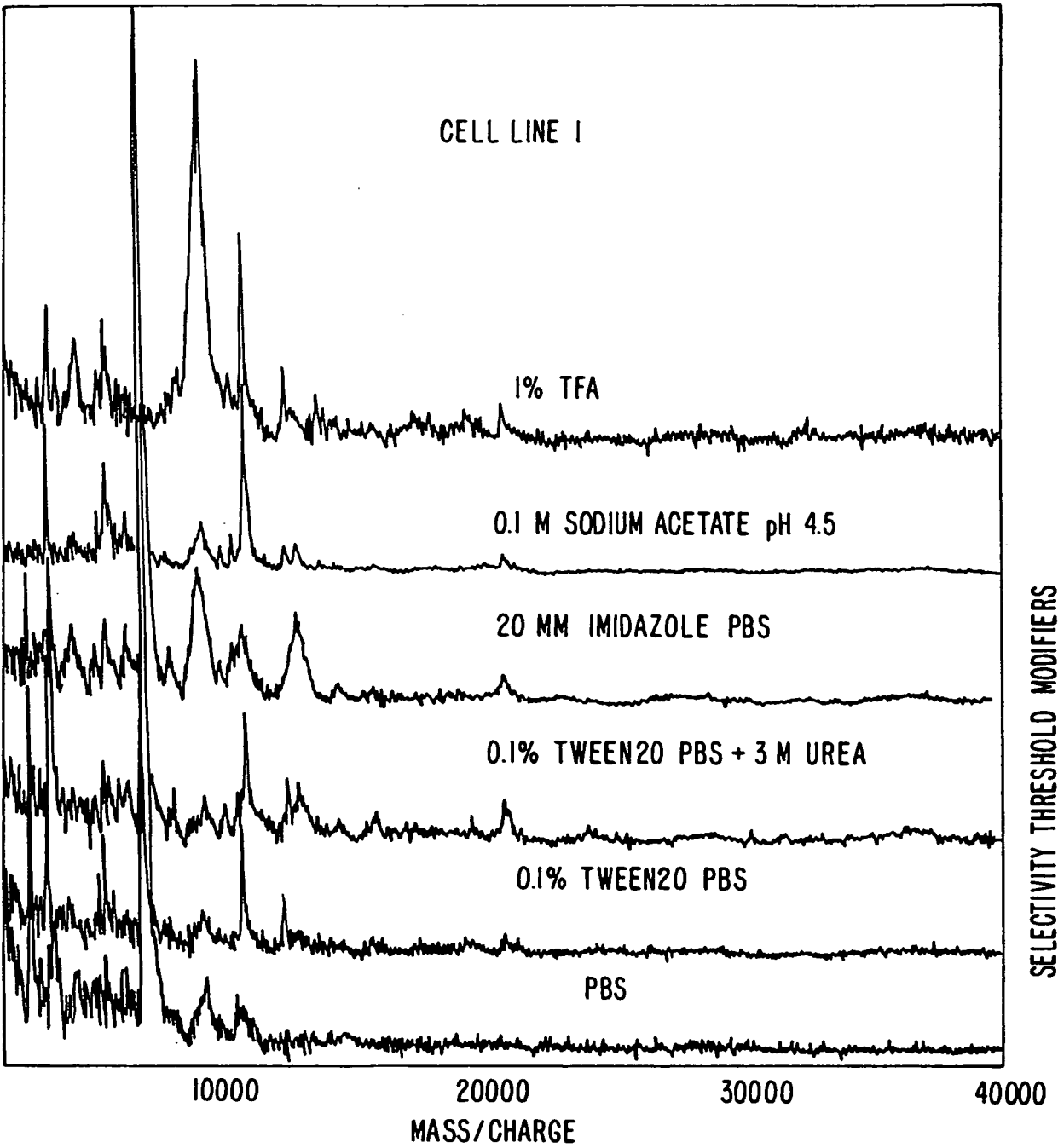


FIG. 10A.

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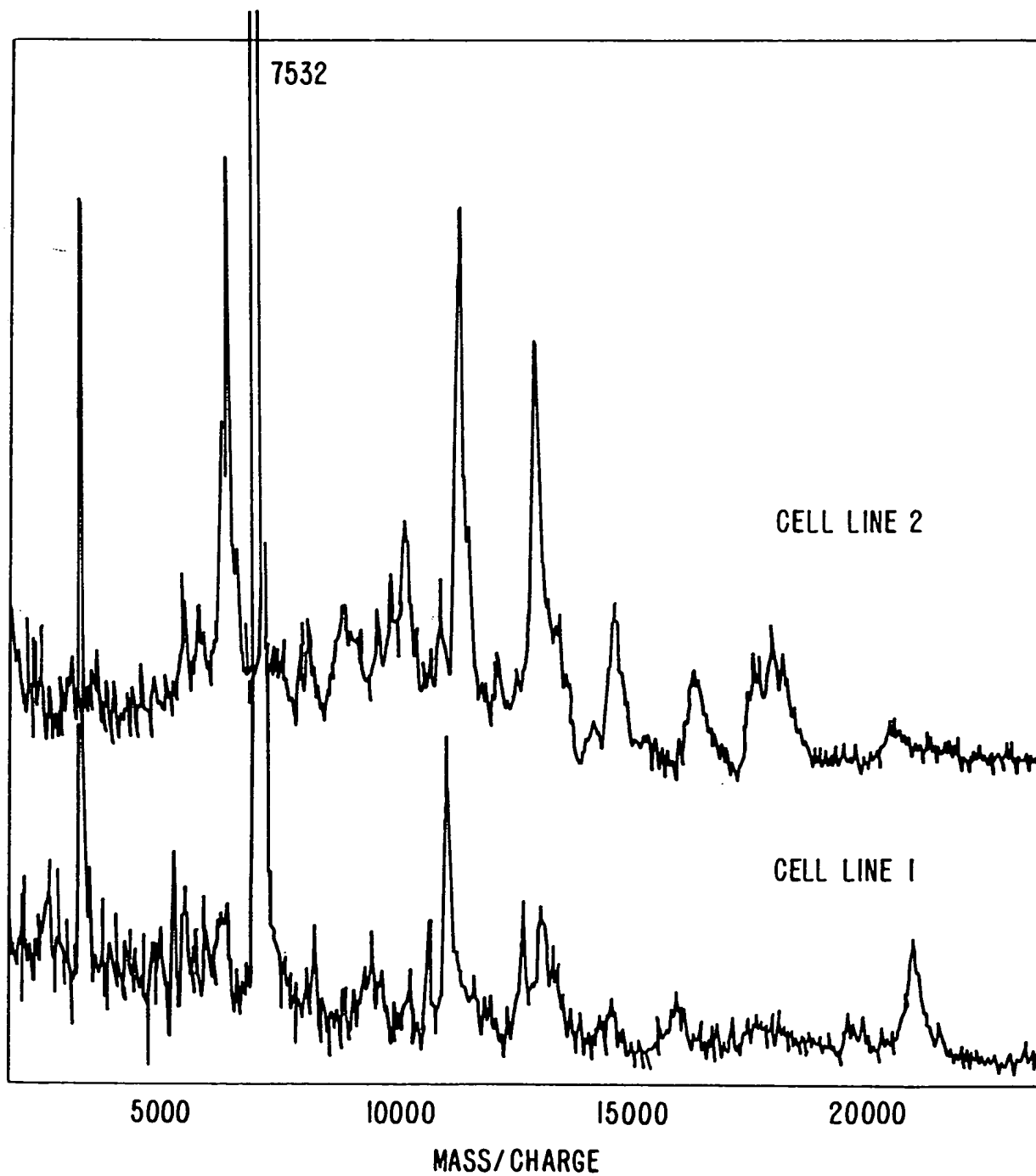


FIG. 10B.

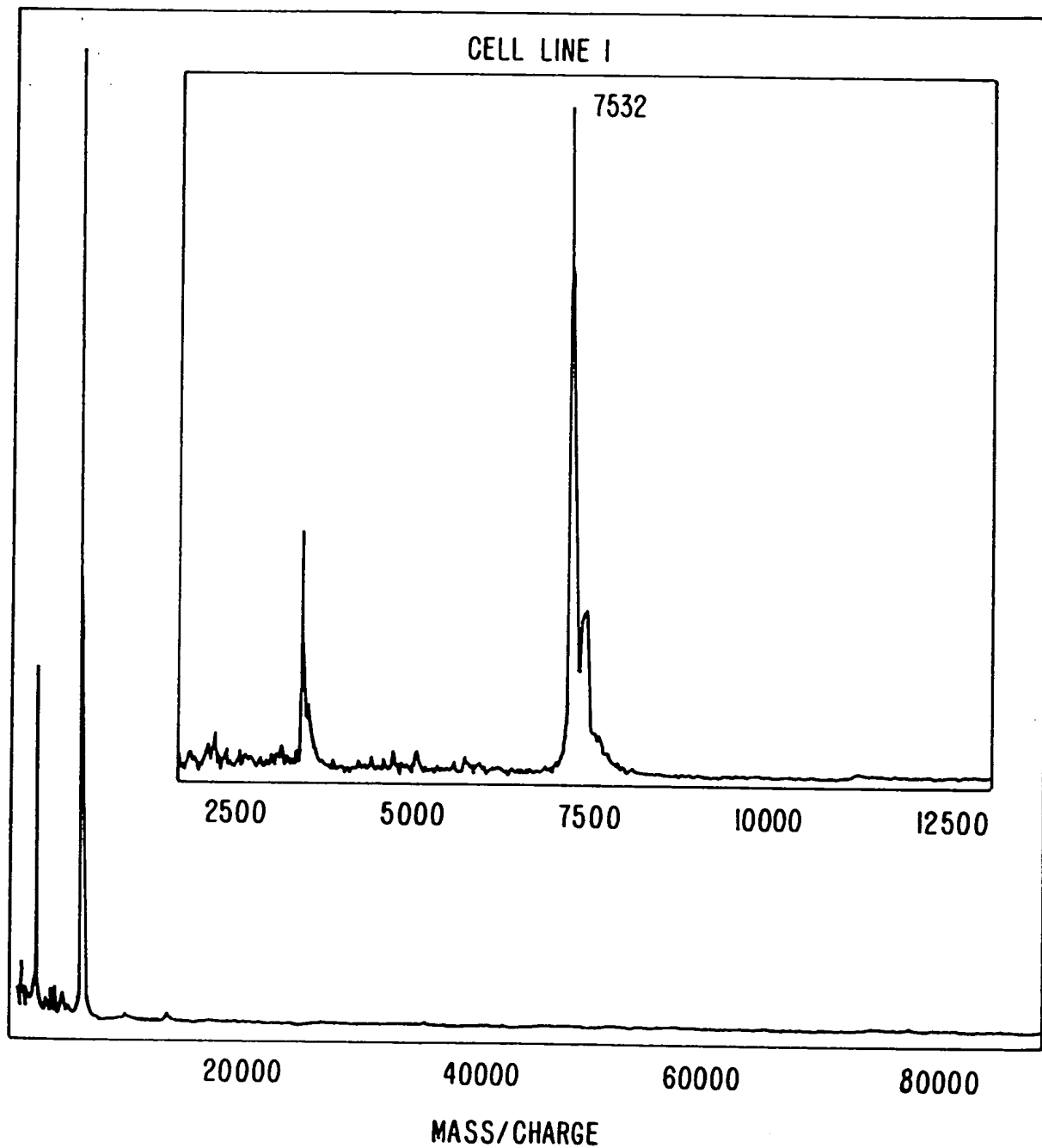


FIG. 10C.



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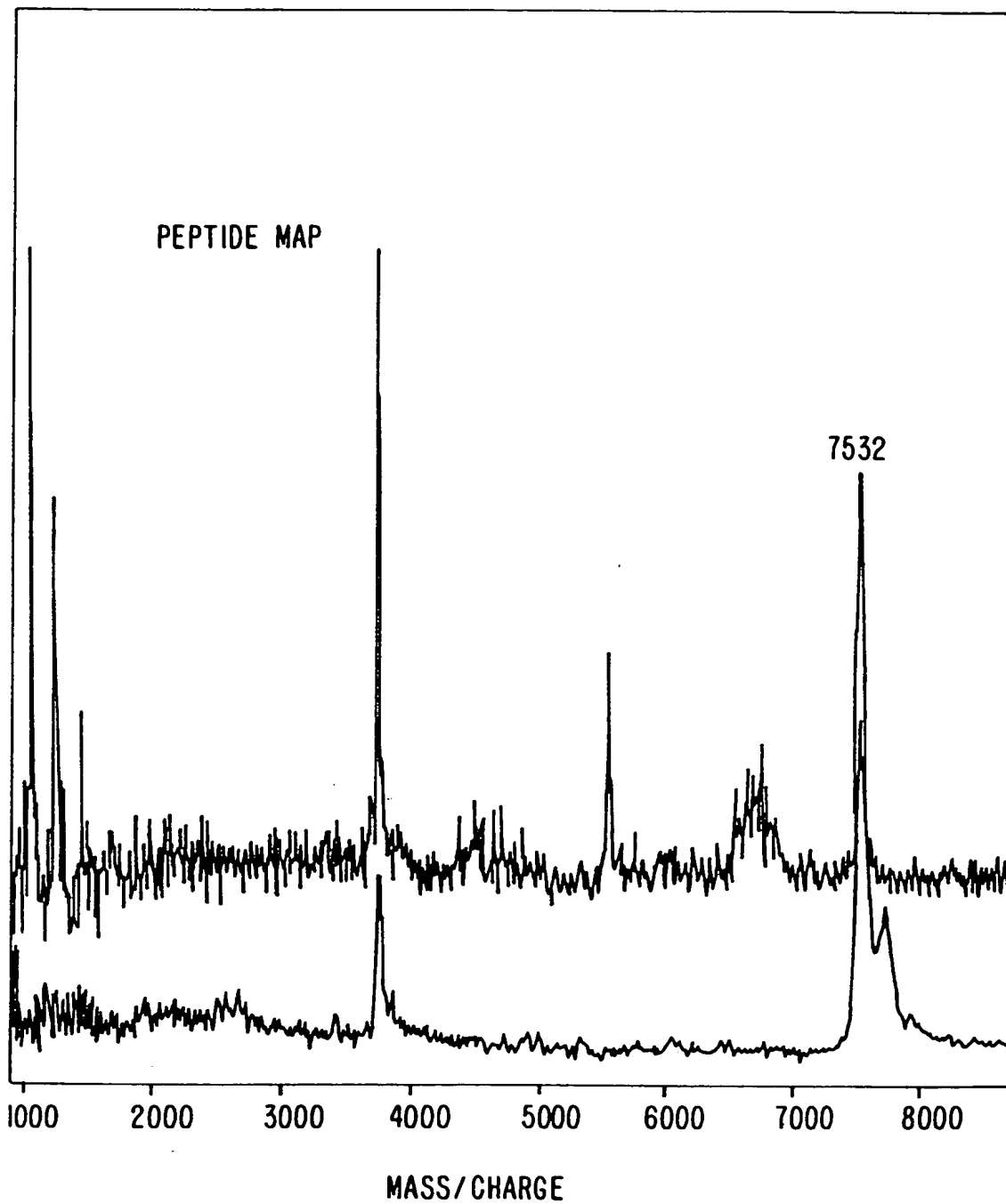
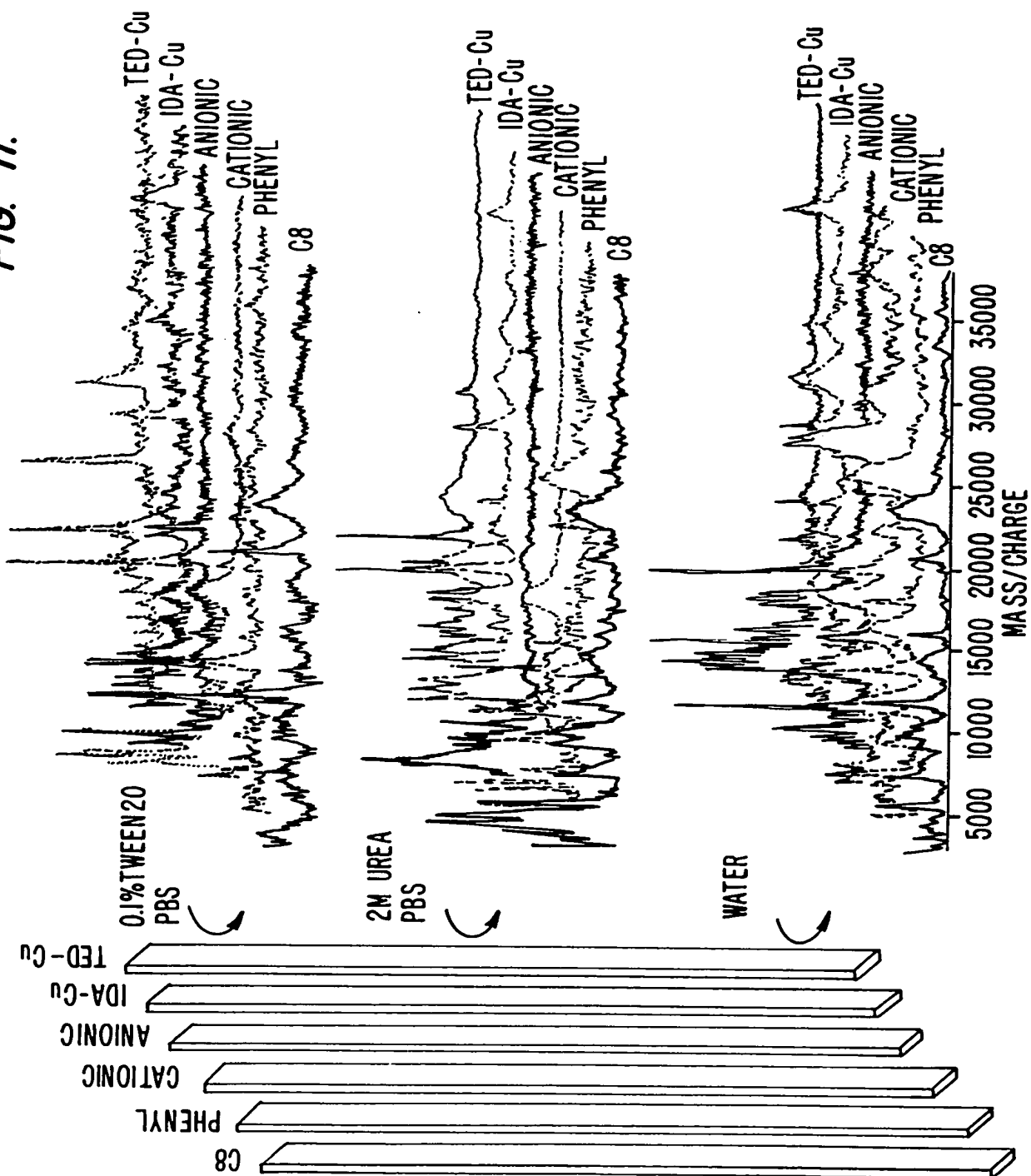


FIG. 10D.

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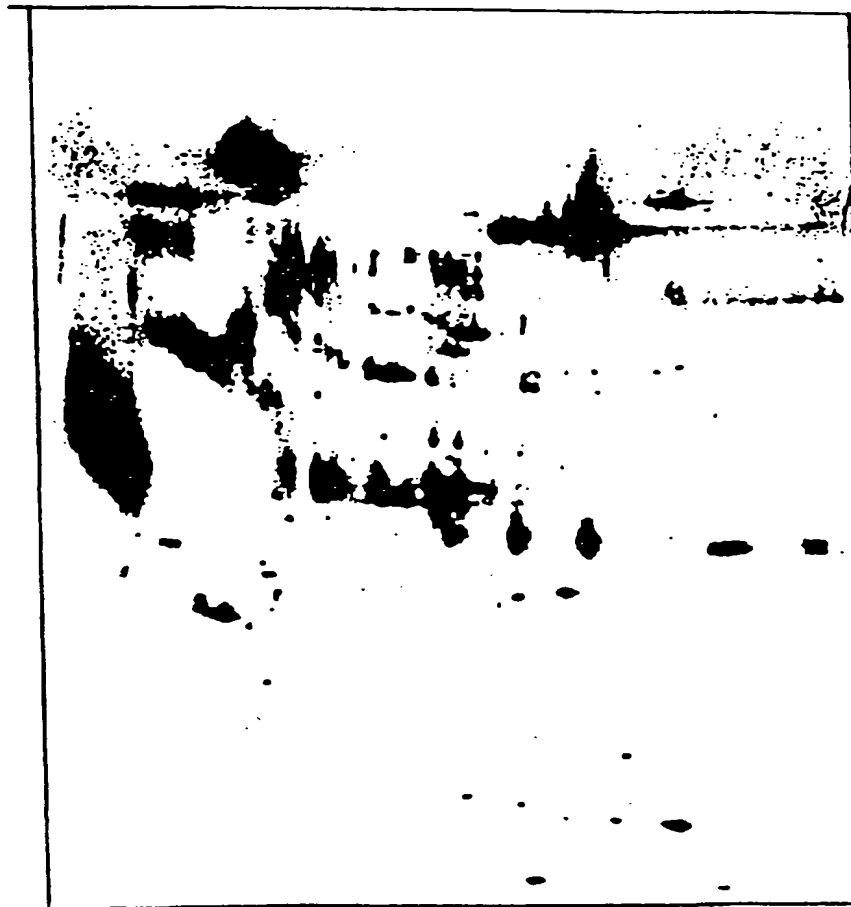
FIG. 11.





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1ST DIMENSION: ISOELECTRIC FOCUSING



2ND DIMENSION: SDS PAGE

FIG. 12.

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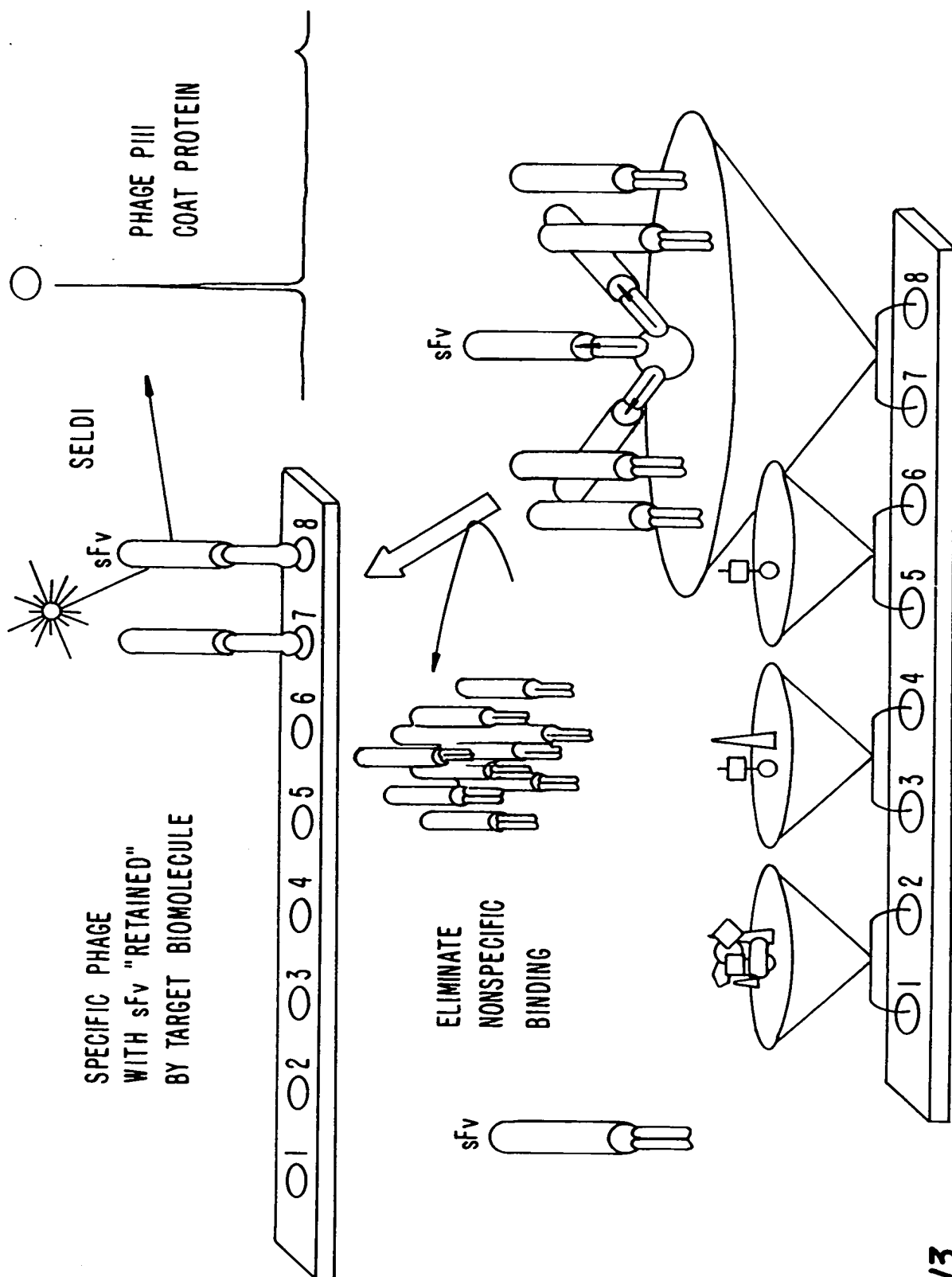


FIG. 13.

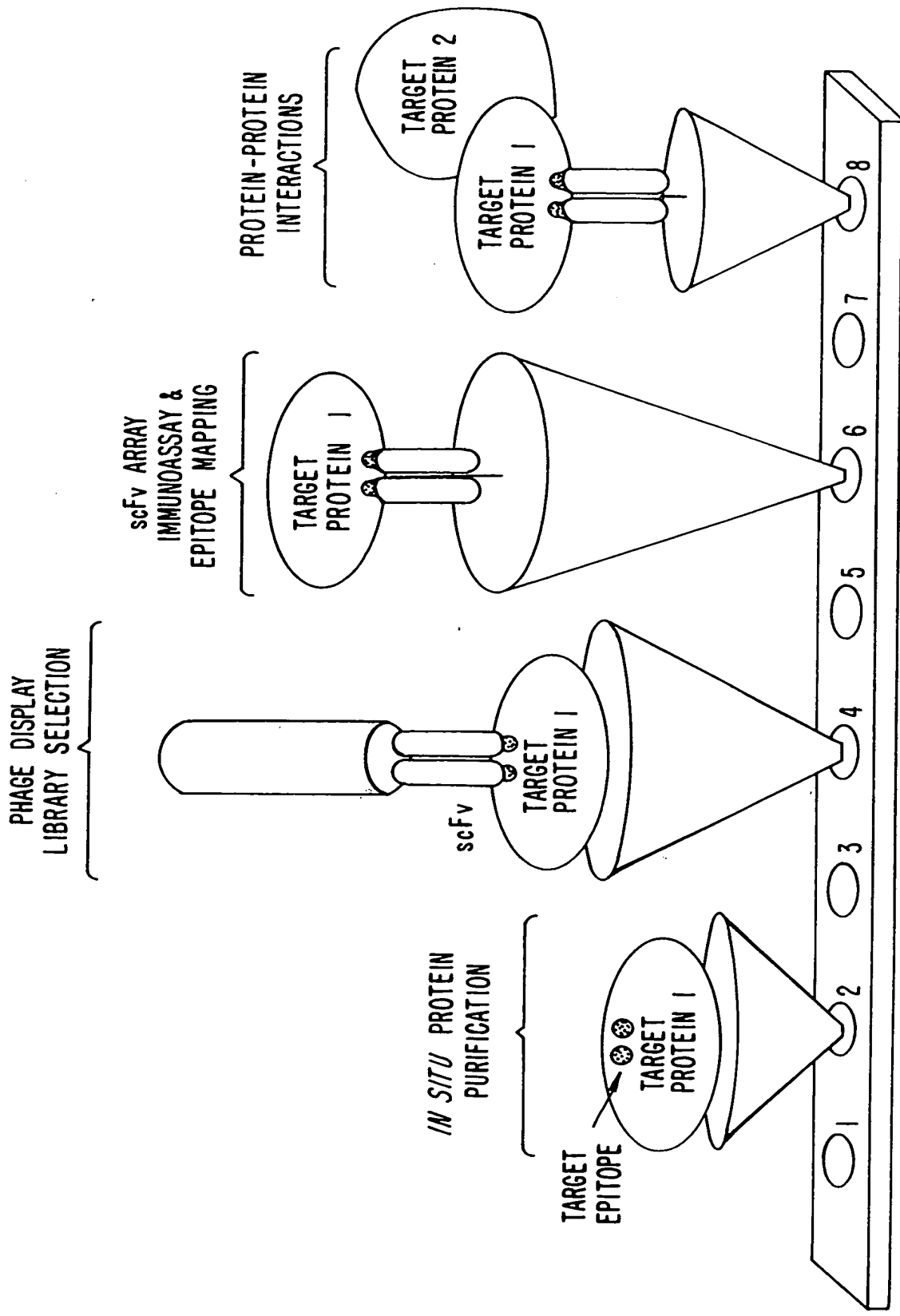


FIG. 14.

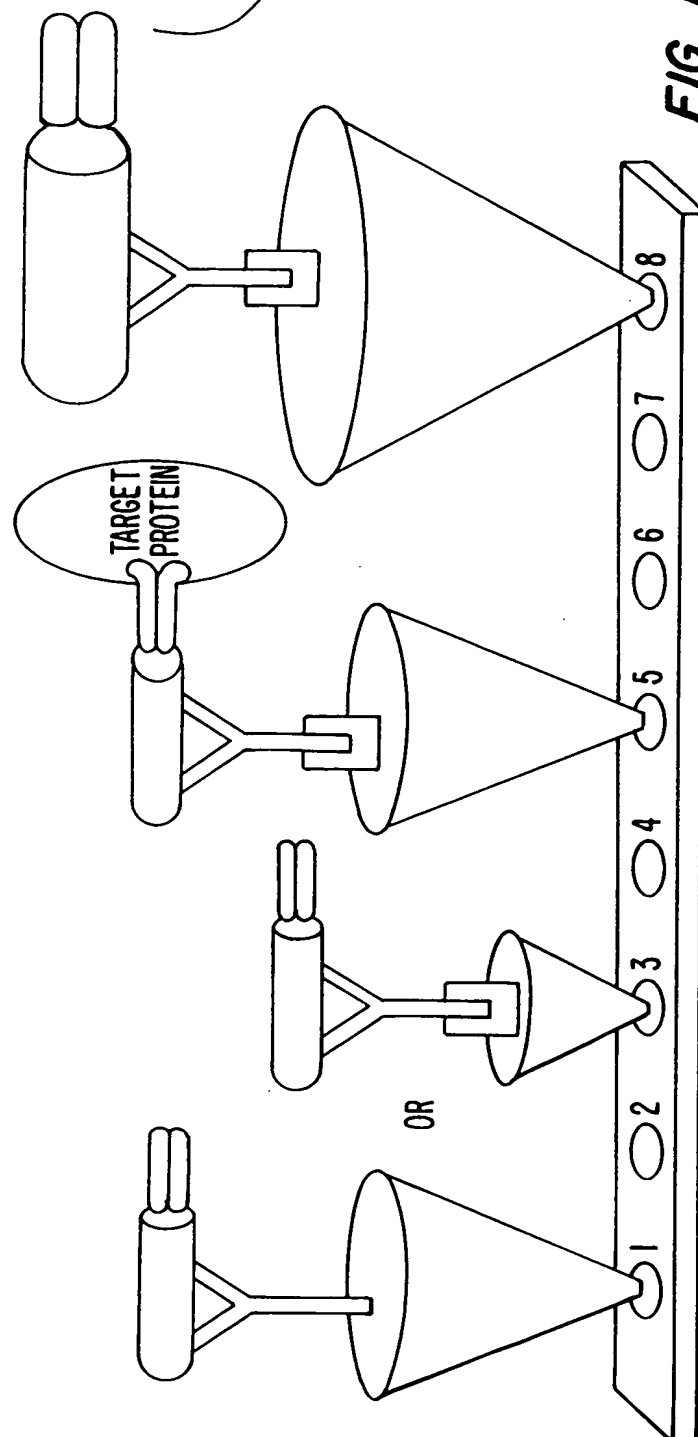
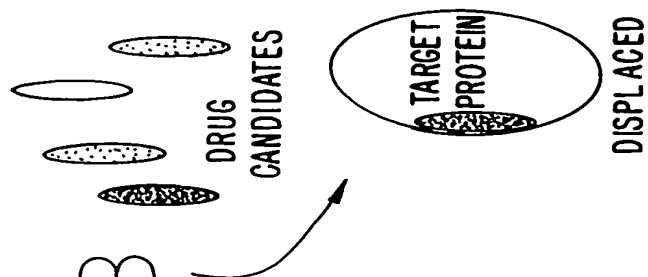


FIG. 15.

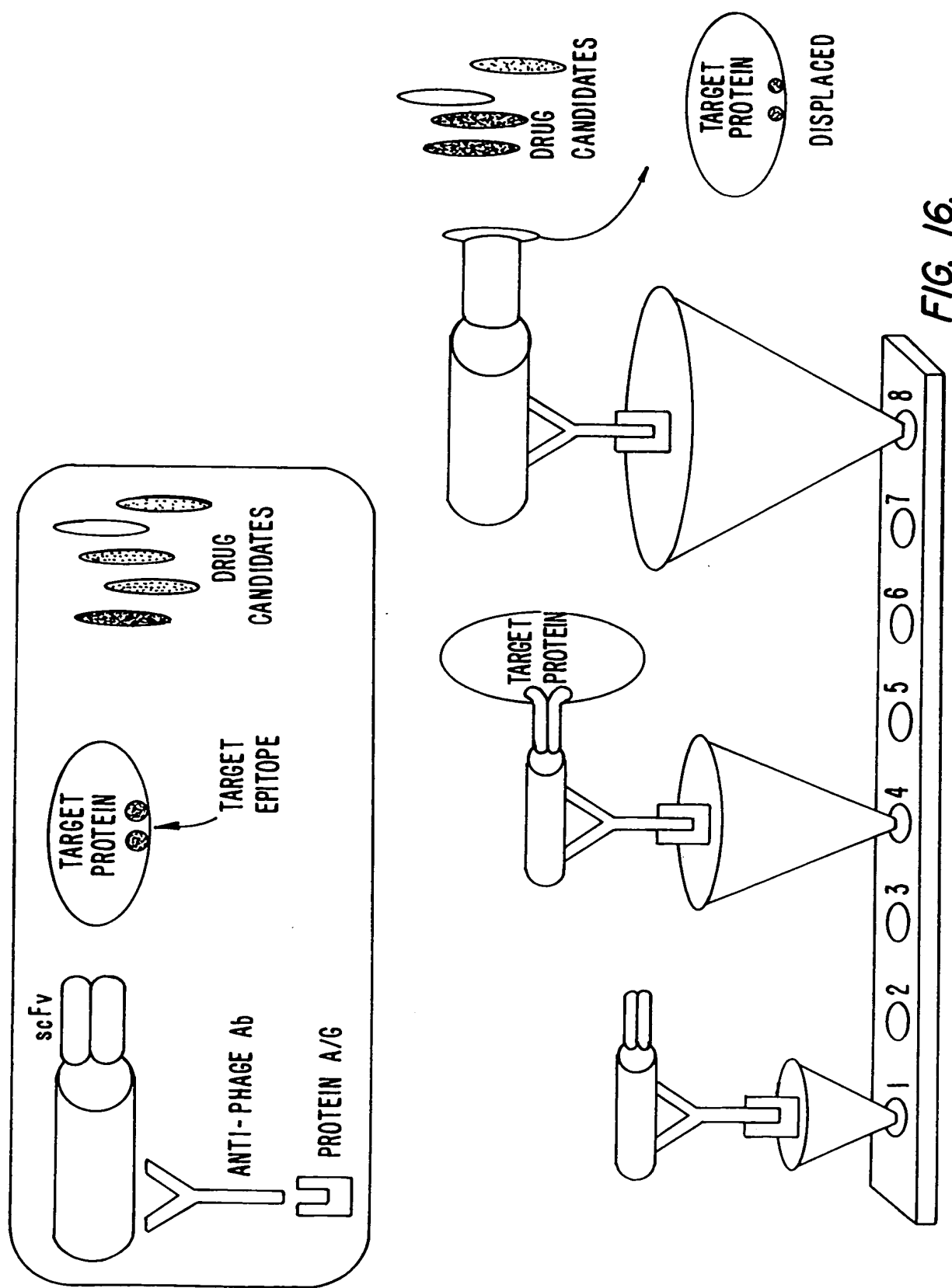


FIG. 16.

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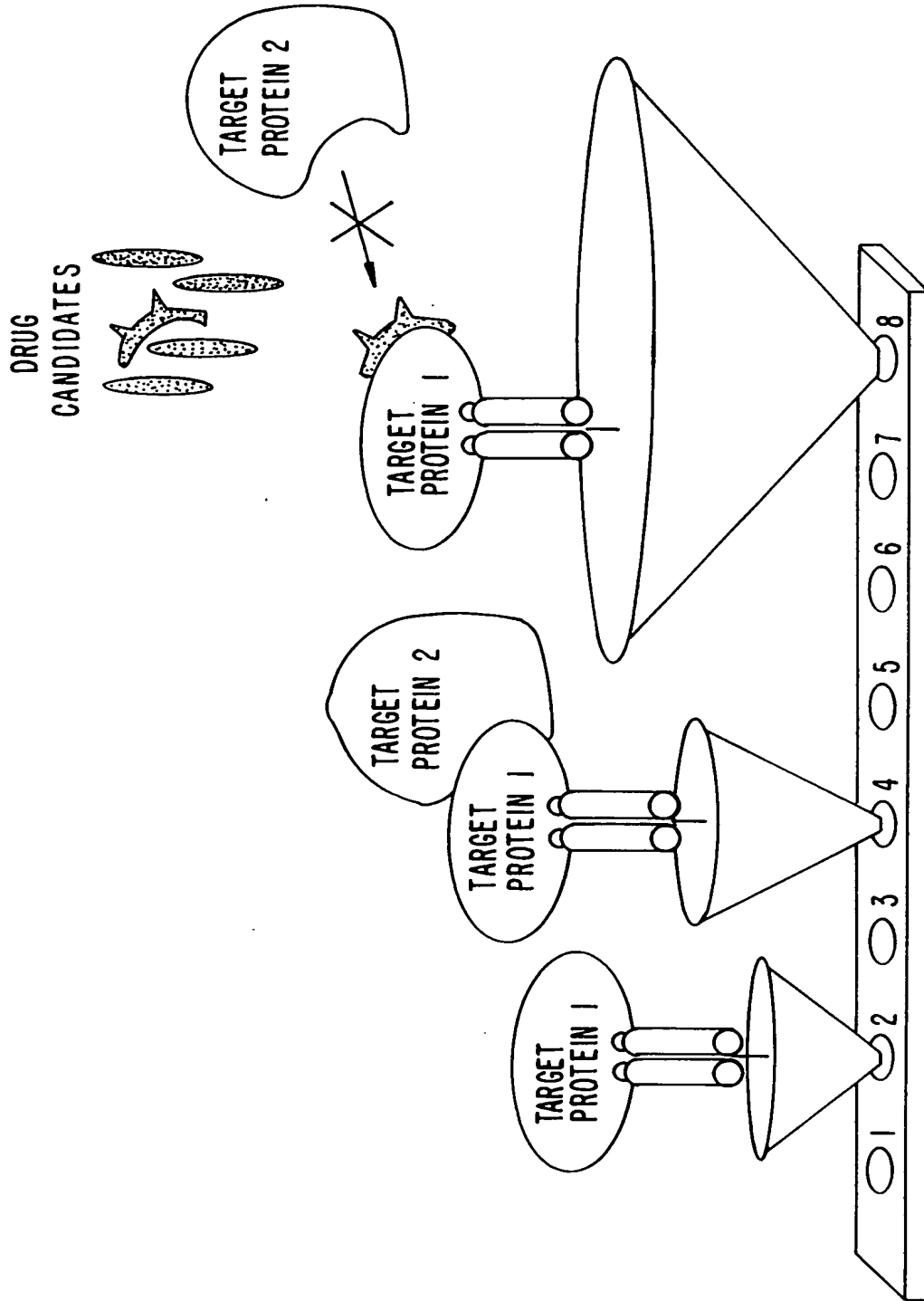
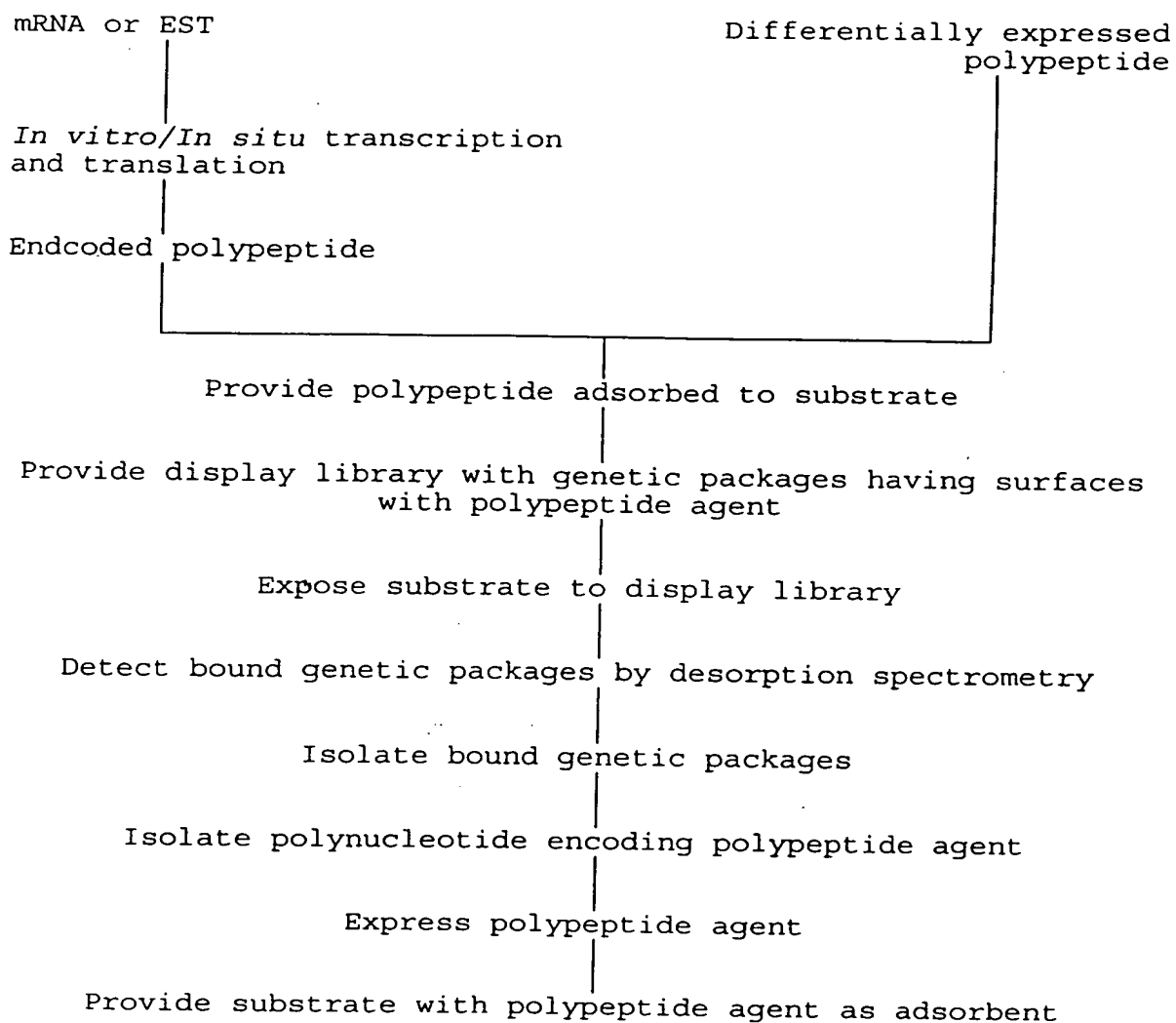


FIG. 17.



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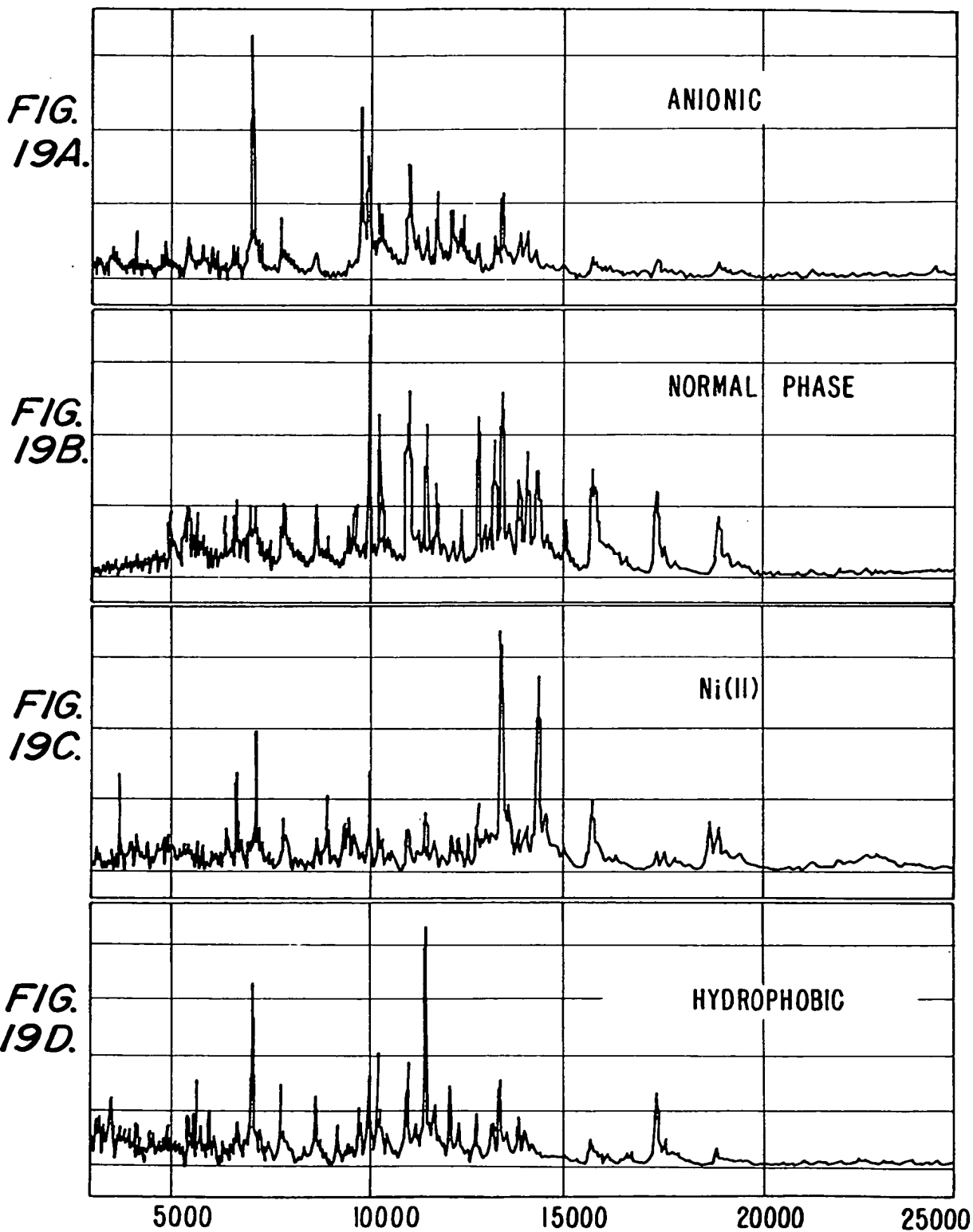
Fig. 18



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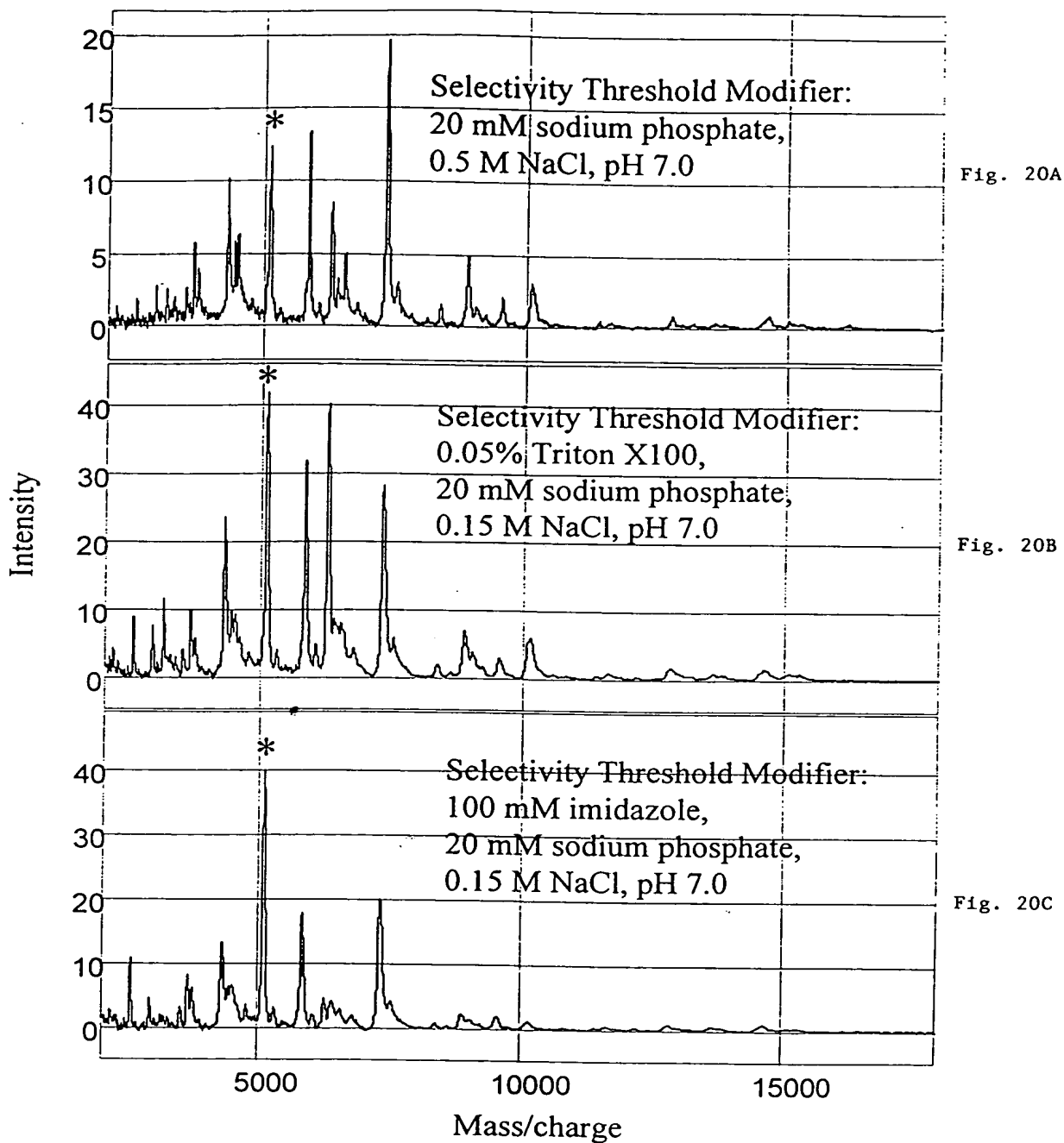


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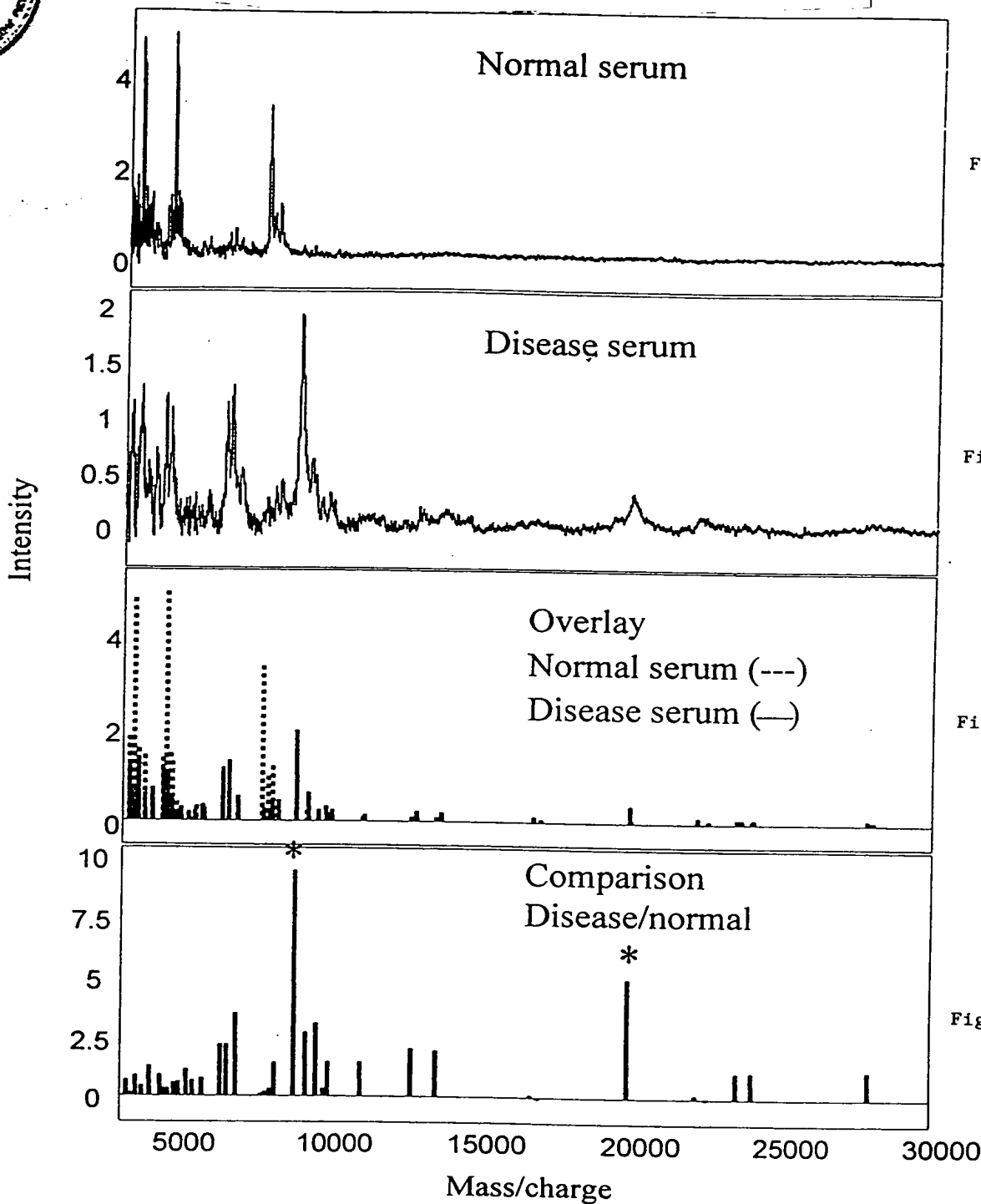


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FIG. 20



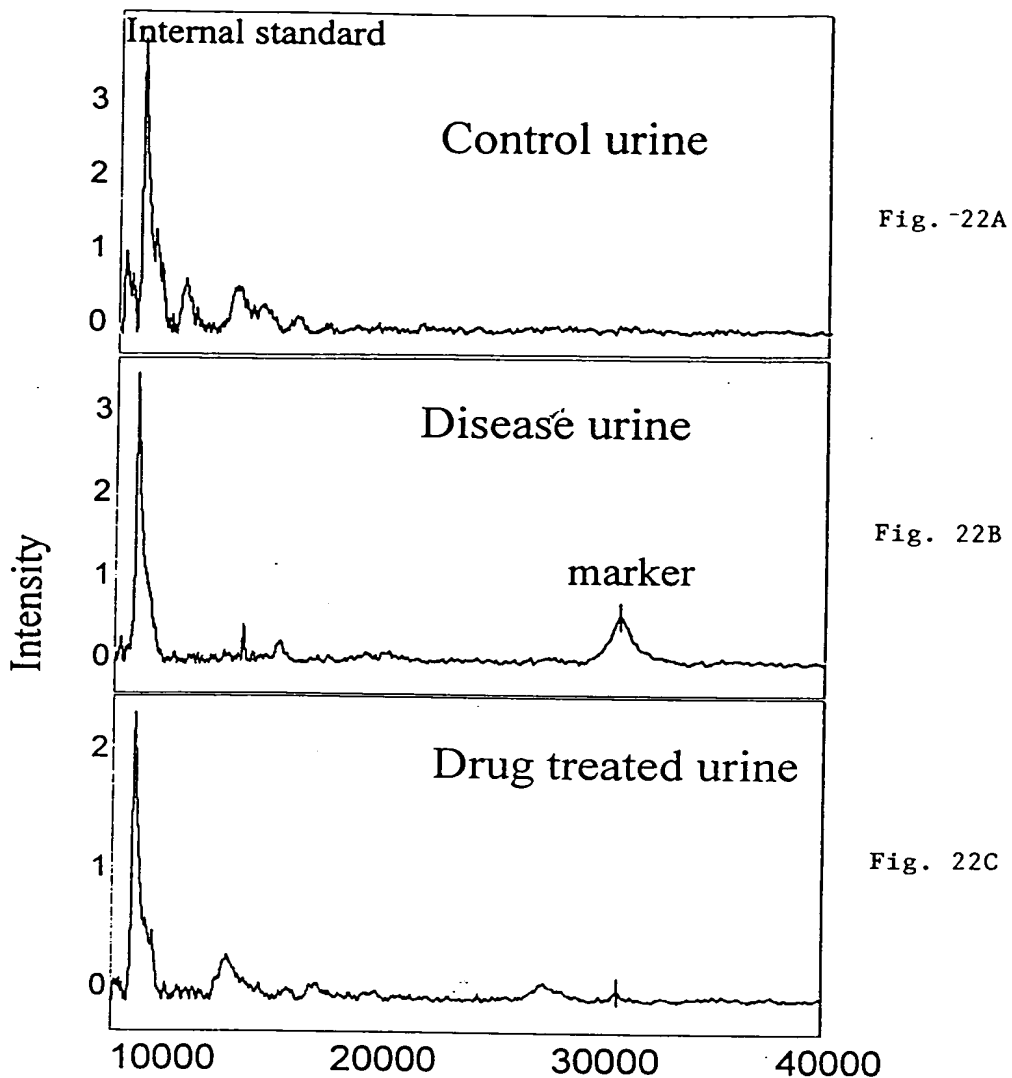
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FIG. 22



| Sample | Protein | Area | Intensity |
|--------------|---------|----------|-----------|
| Disease | Int std | 1139.044 | 3.340518 |
| | marker | 695.4804 | 0.580081 |
| Drug treated | Int std | 1383.883 | 3.780178 |
| | marker | 71.05119 | 0.143227 |

Fig. 22D

Normalized marker peak area (marker/internal std):

Control 0.0
Disease 0.61
Drug treated 0.05

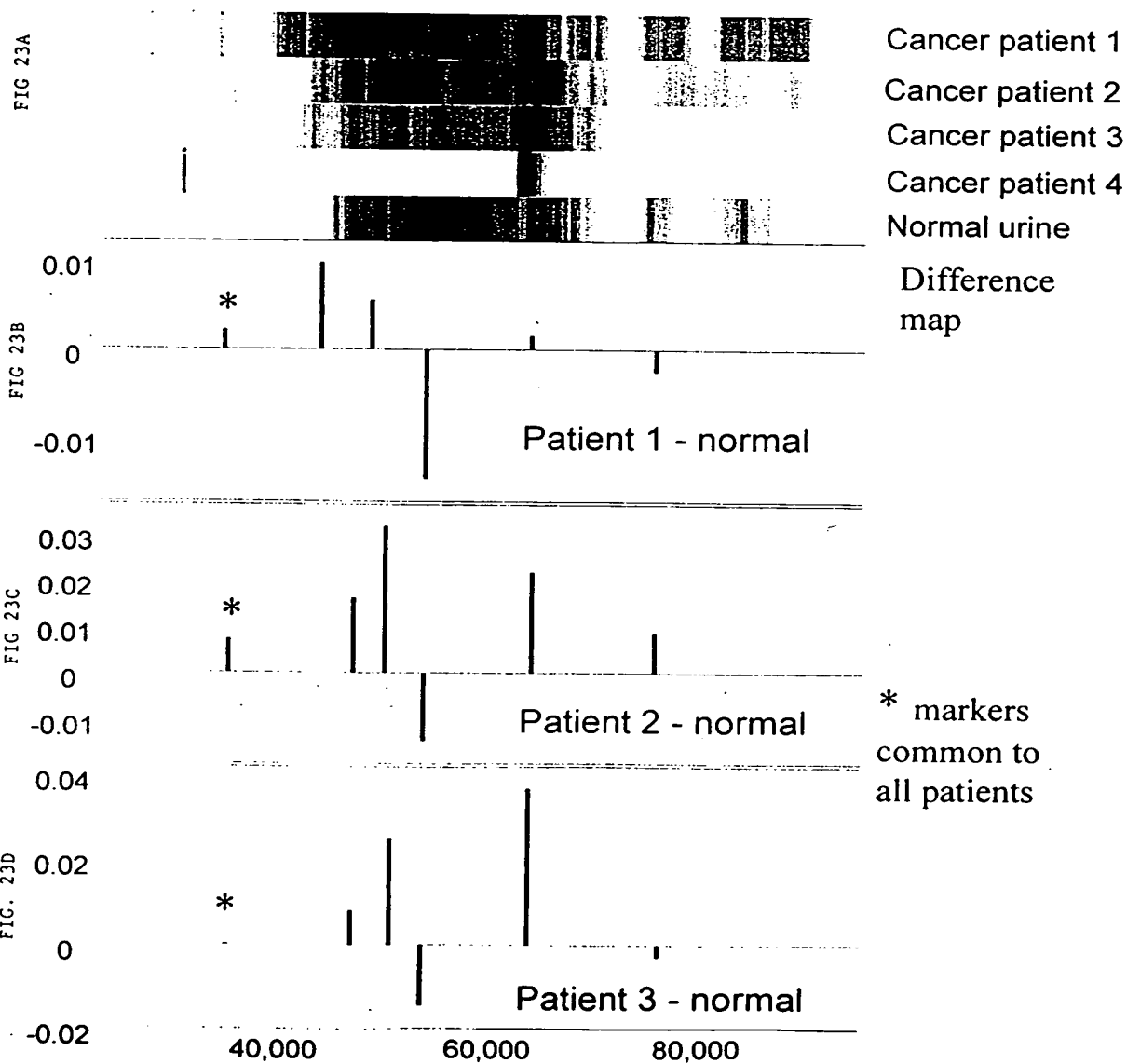
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FIG. 23

Retentate MapTM of Human Urine SELDI ProteinChipTM Array



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FIG. 24

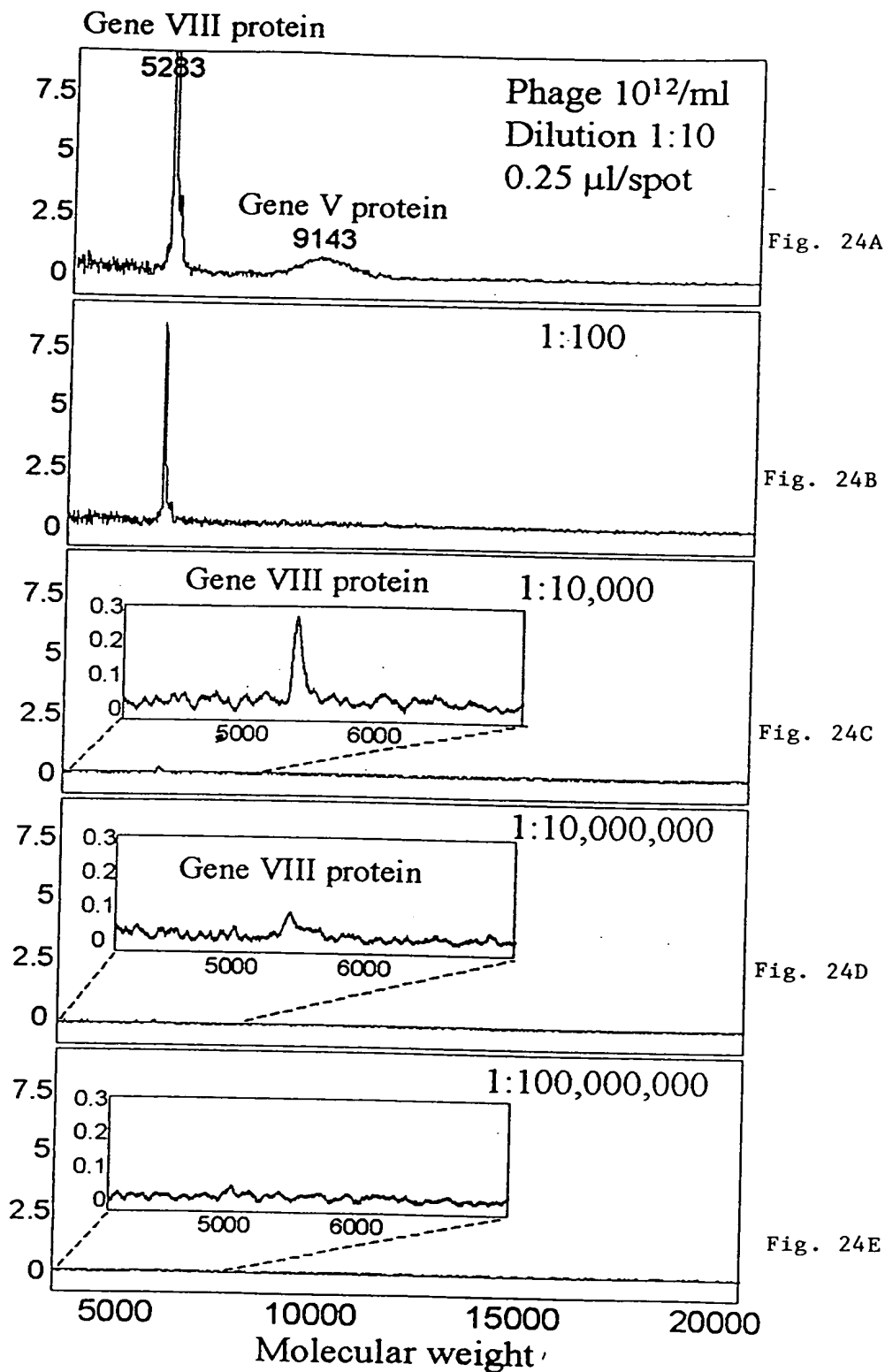




FIG. 25A.

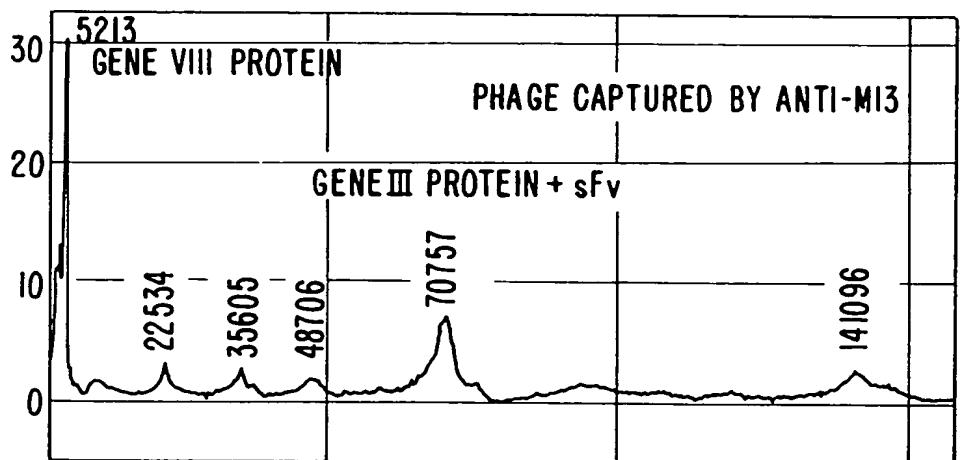
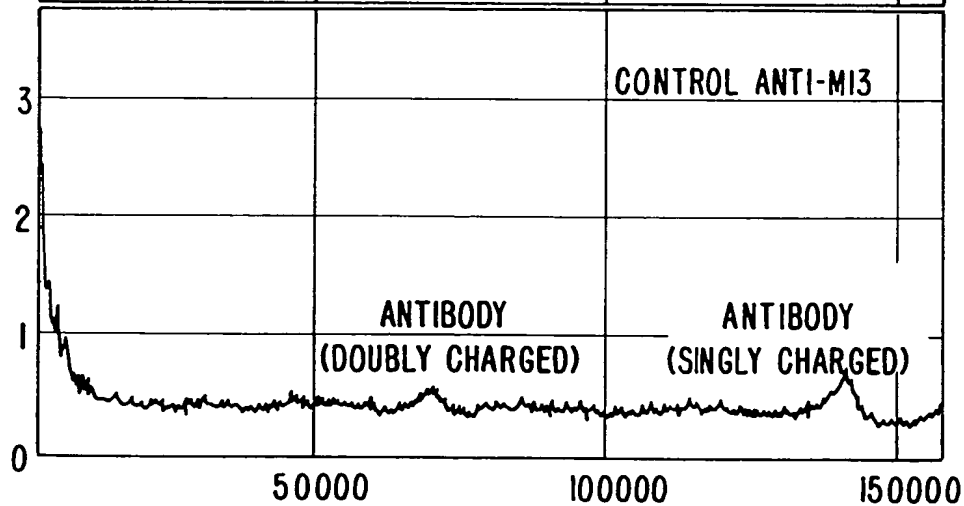


FIG. 25B.





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FIG. 26A.

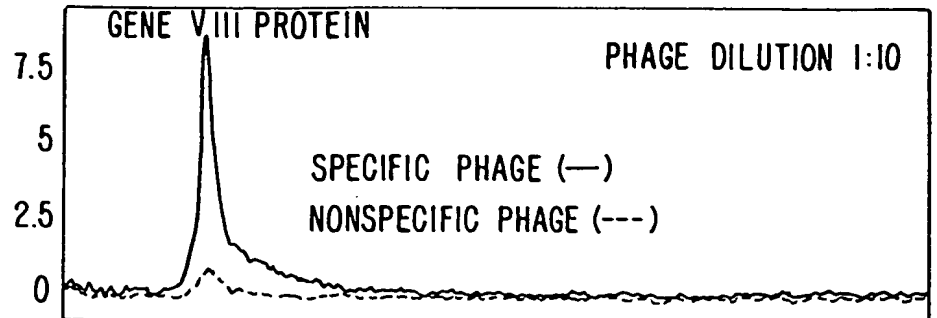


FIG. 26B.

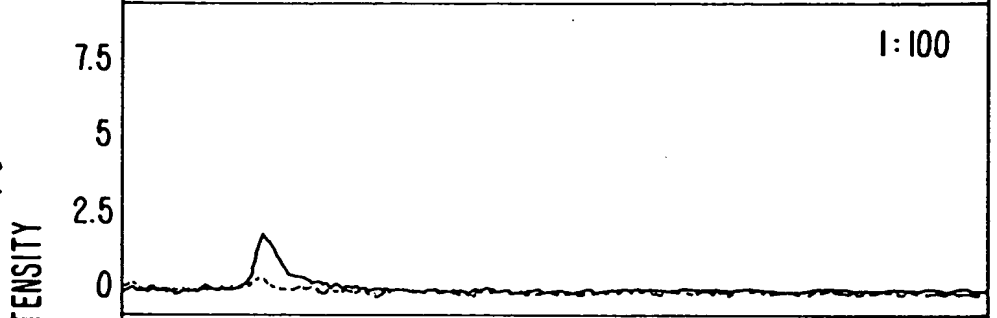


FIG. 26C.

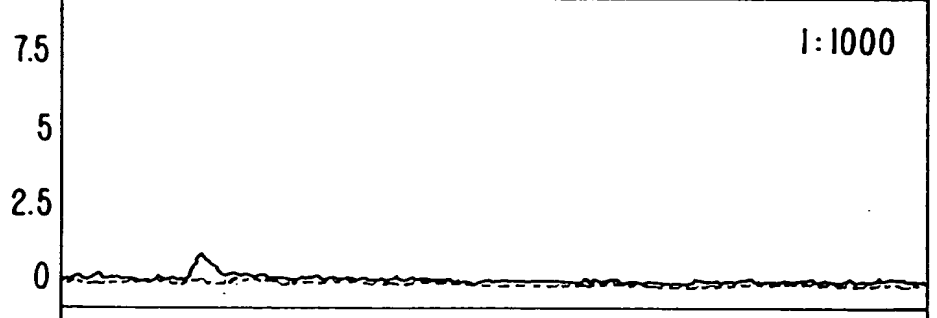
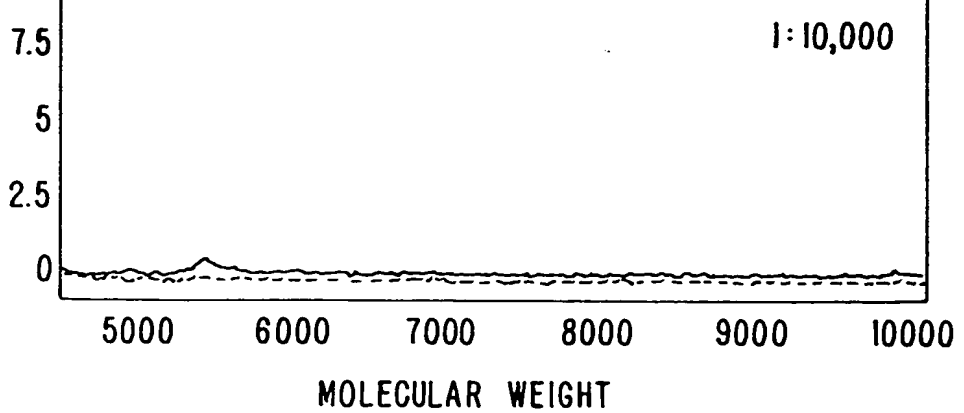


FIG. 26D.



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FIG. 27A.

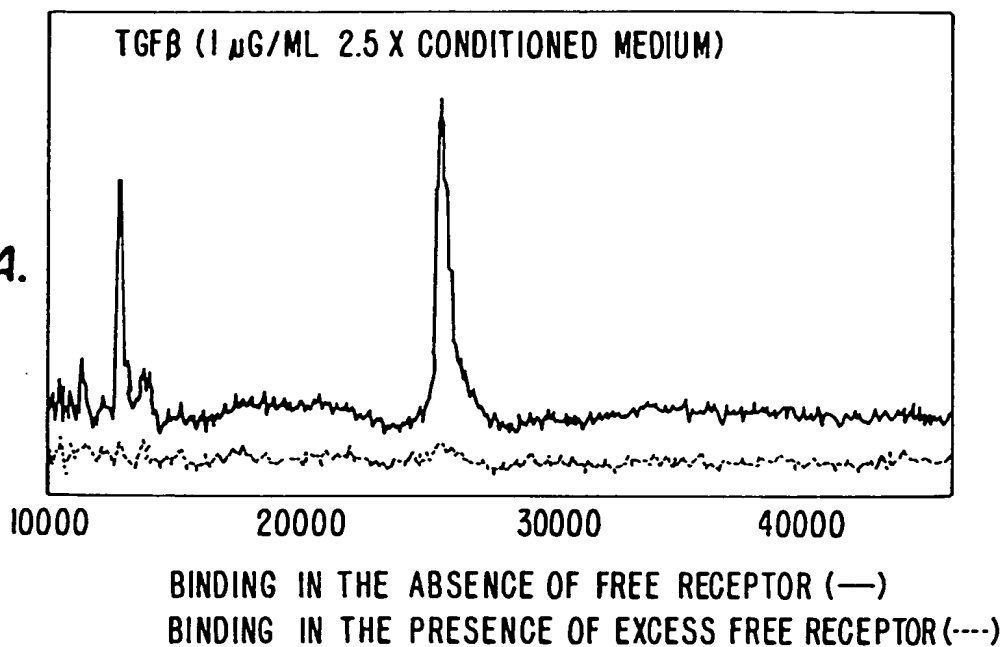
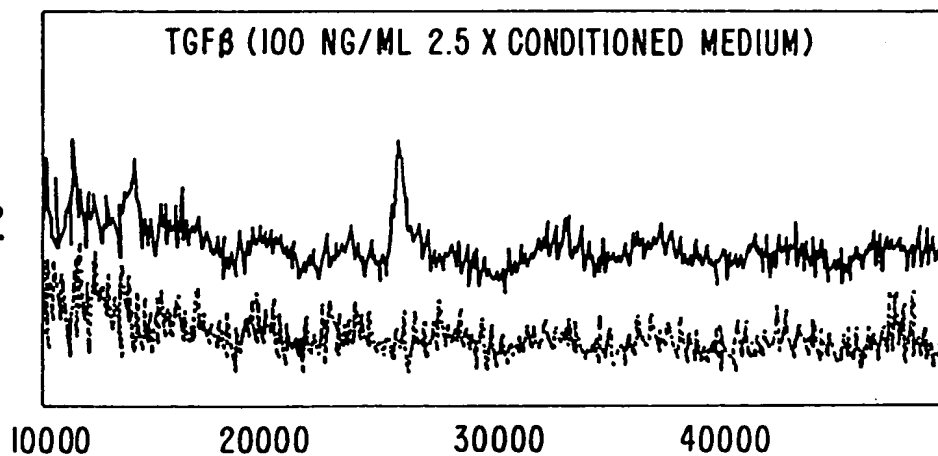


FIG. 27B.



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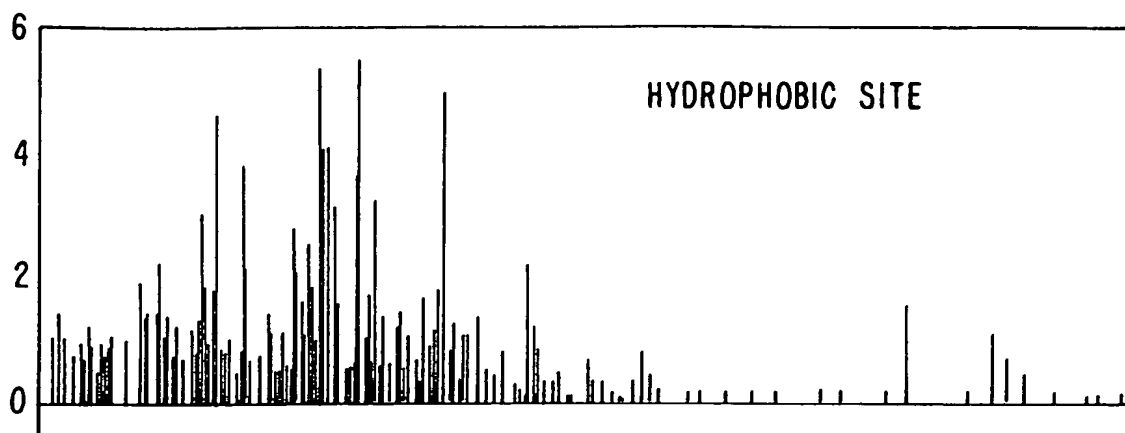


FIG. 28A.

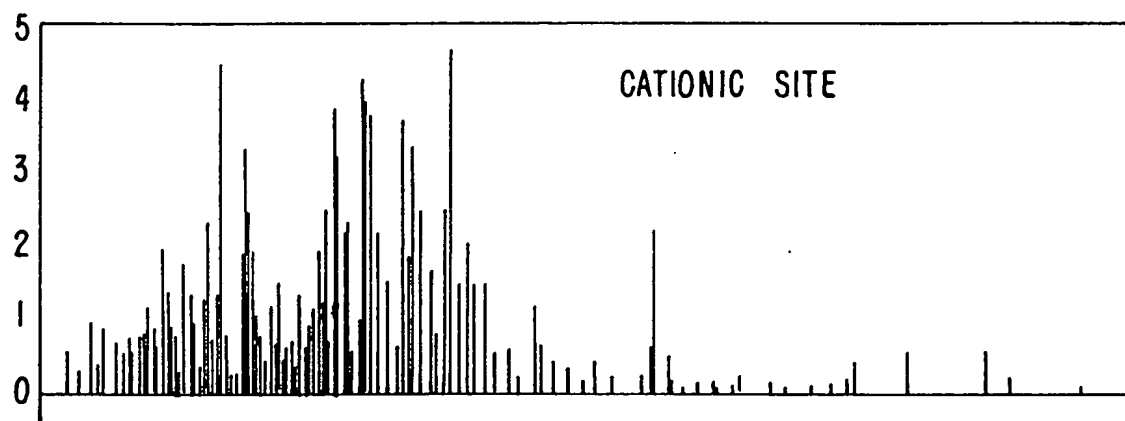


FIG. 28B.

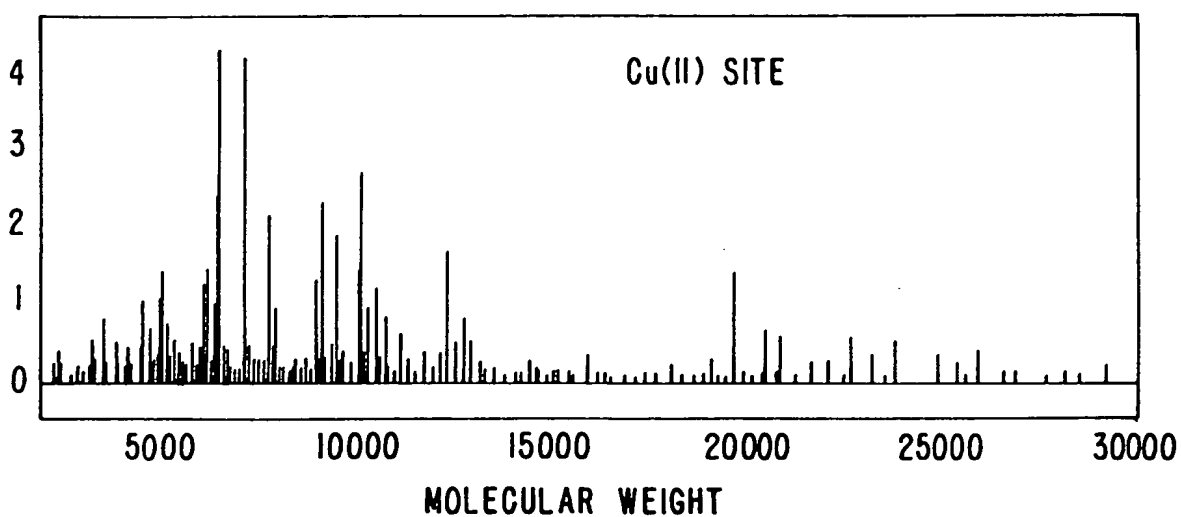


FIG. 28C.

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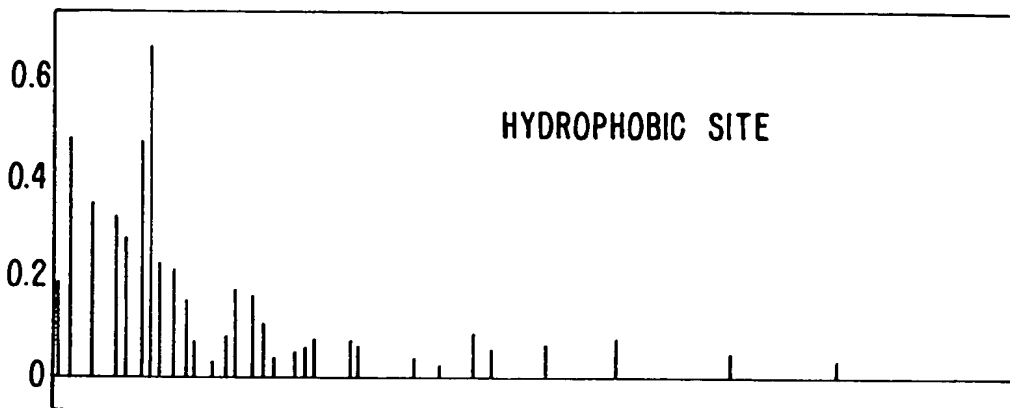


FIG. 29A.

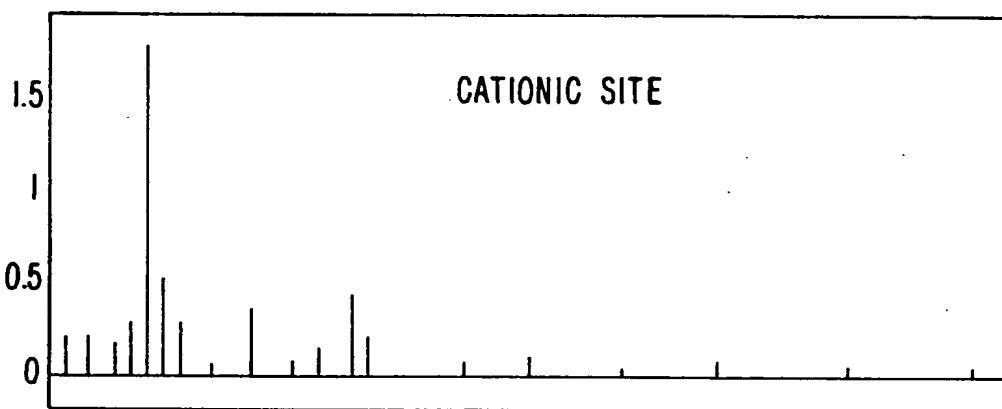


FIG. 29B.

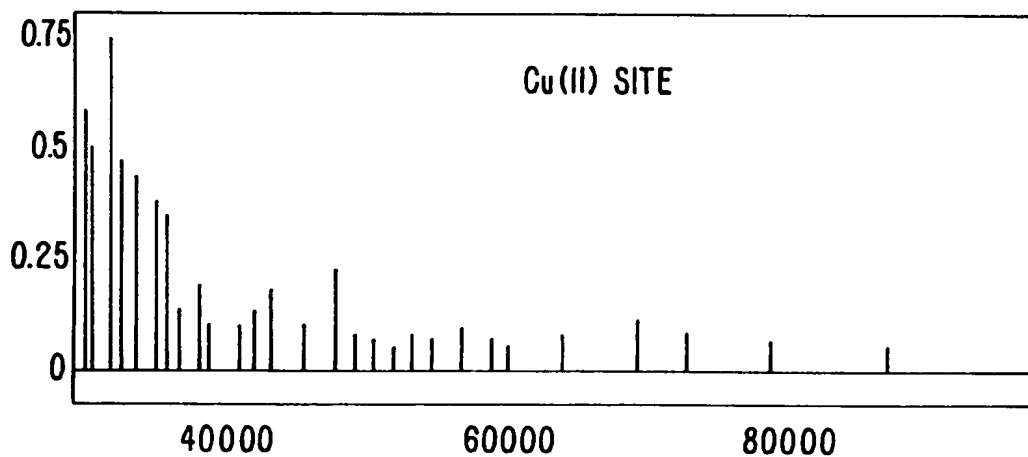


FIG. 29C.

MOLECULAR WEIGHT

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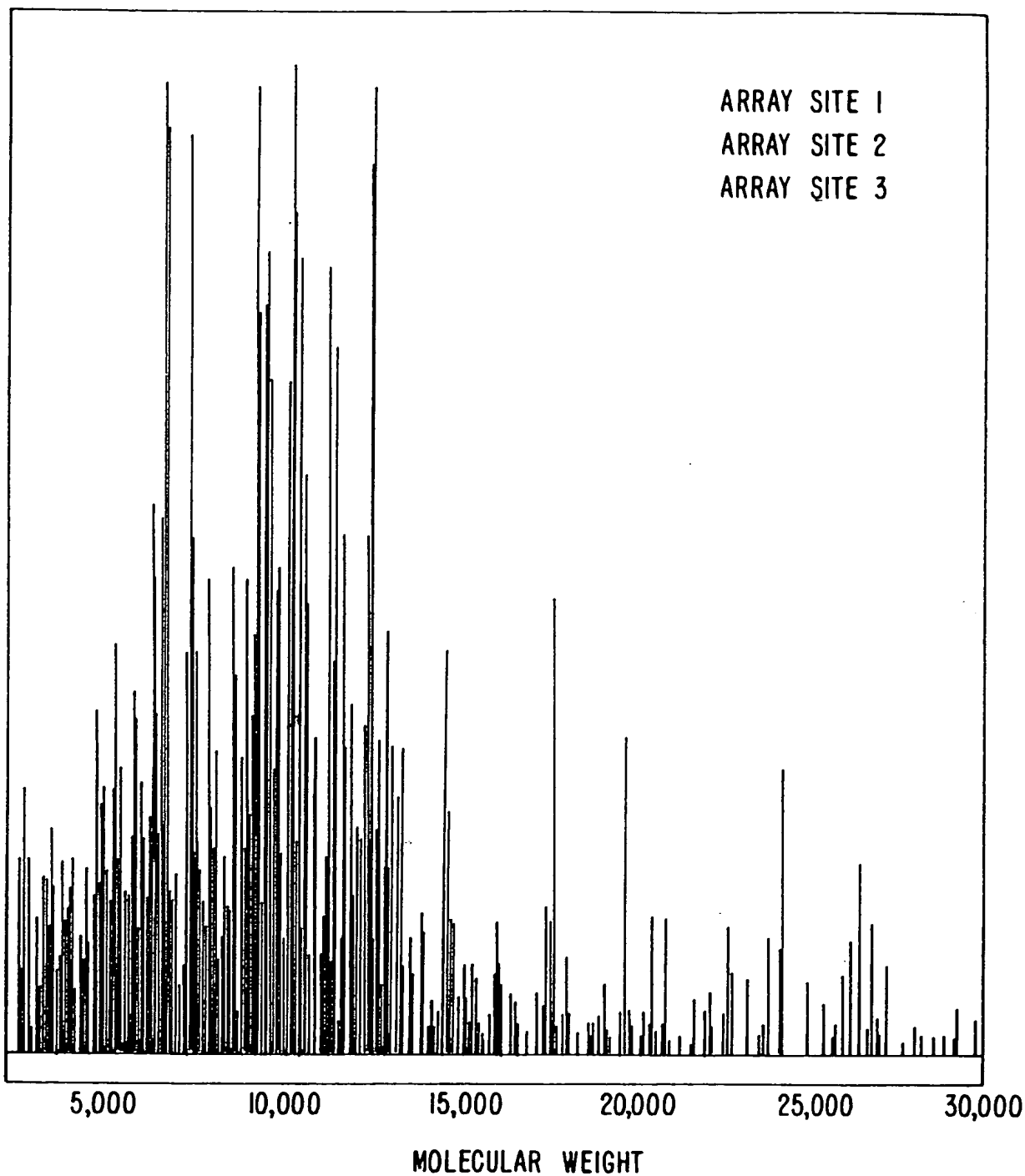


FIG. 30.



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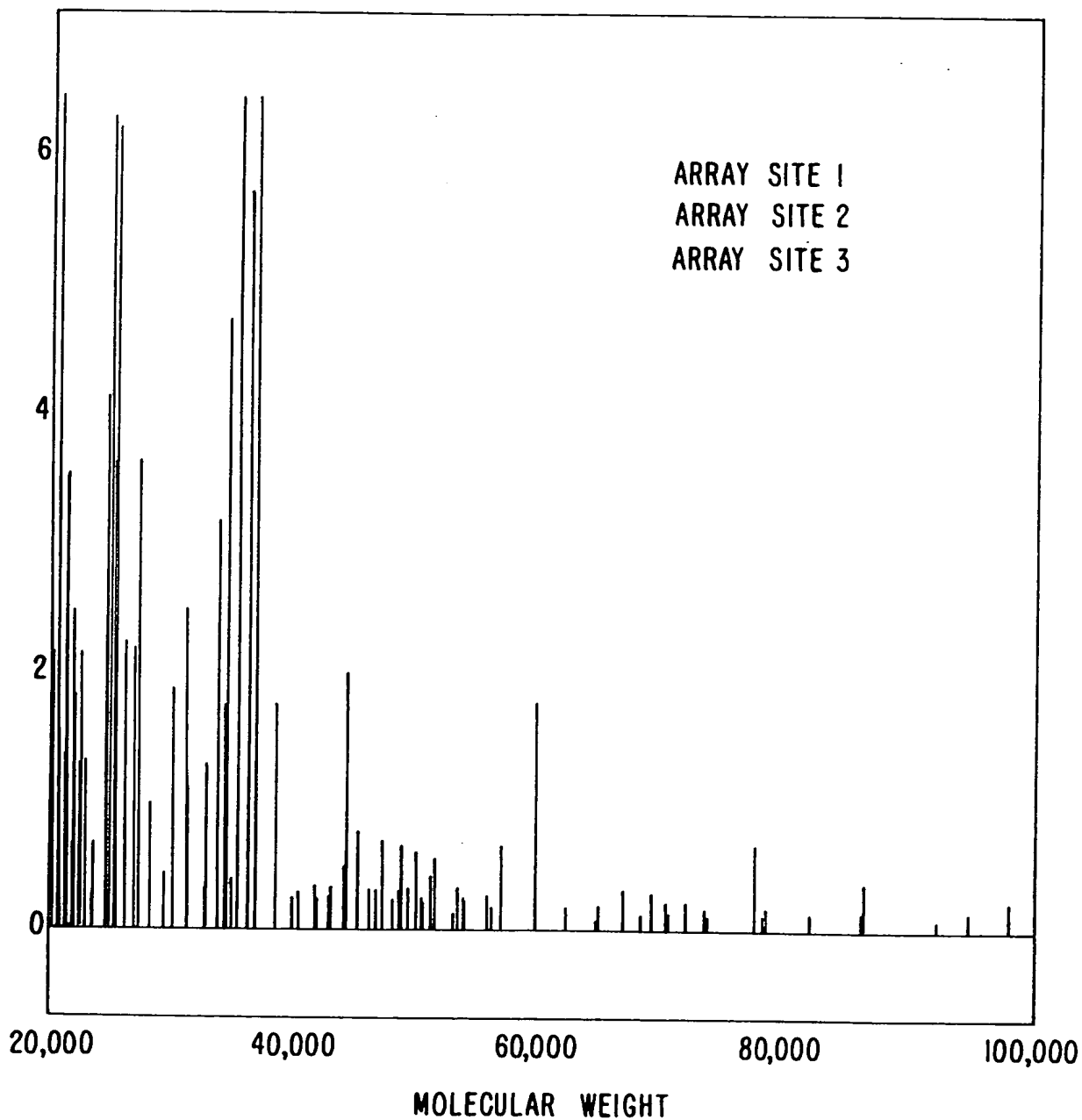
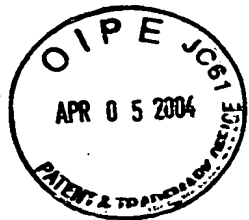


FIG. 31.

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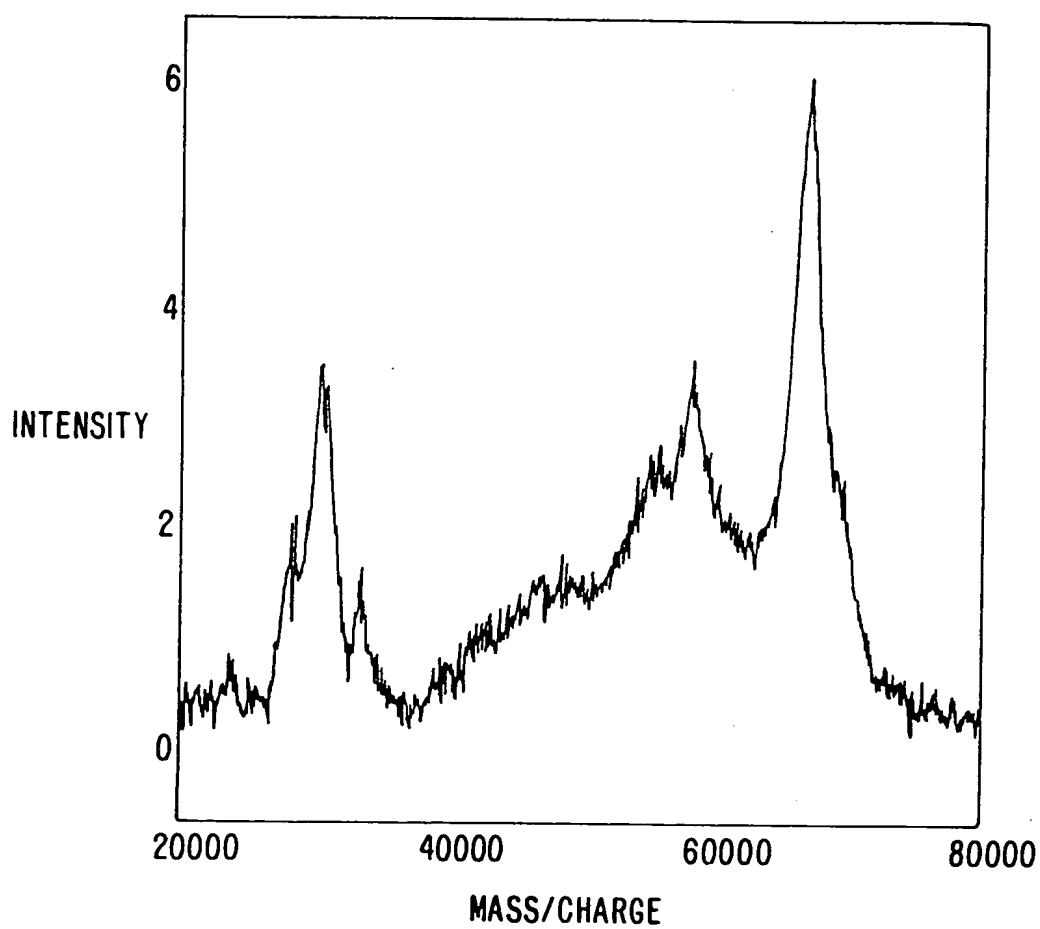


FIG. 32.

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FIG. 33A.

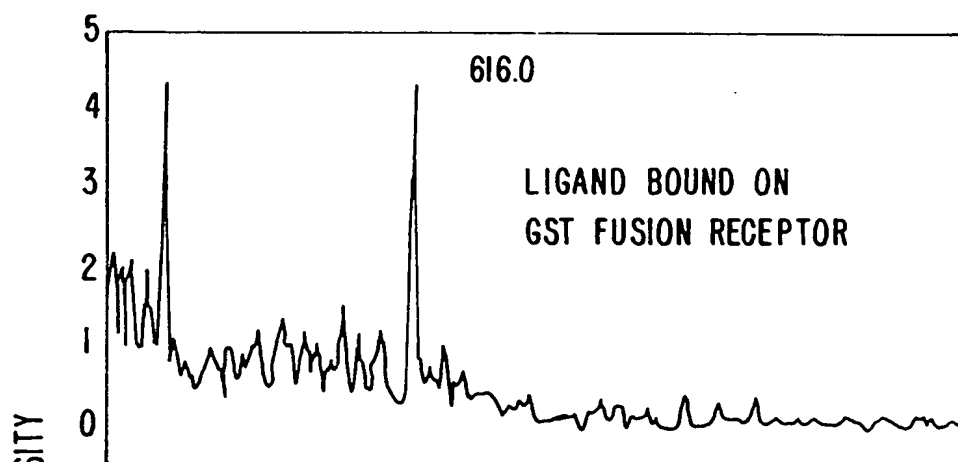
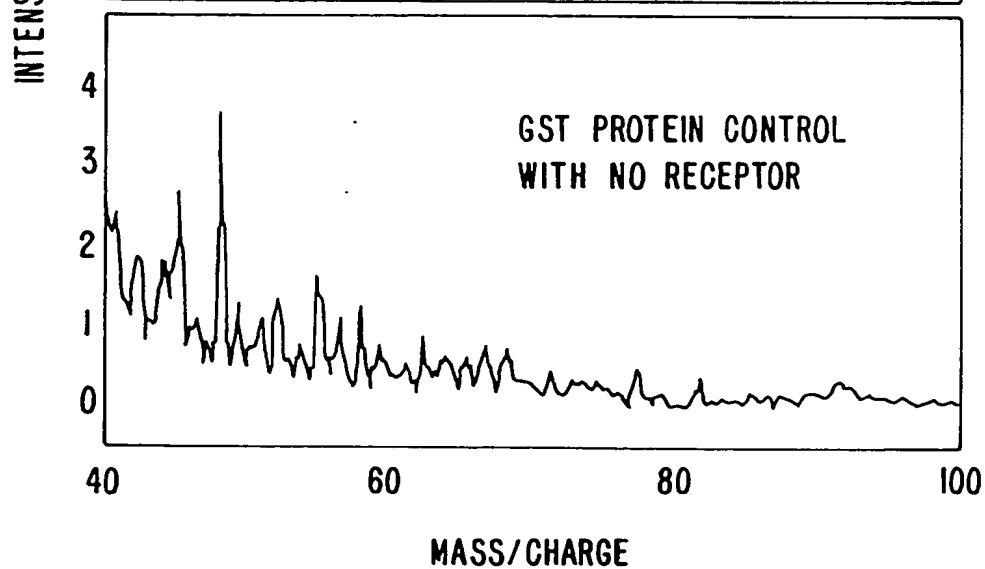


FIG. 33B.



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